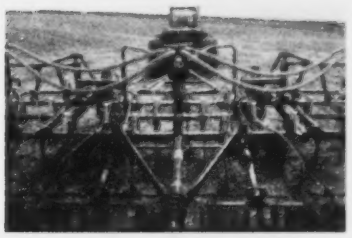
Saskatchewan
Agriculture, Food
and Rural
Revitalization

FARM MACHINERY

Custom and Rental Rate Guide 2002



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FARM MACHINERY

Custom and Rental Rate Guide 2002

Saskatchewan Agriculture, Food and Rural Revitalization
Financial Programs Branch

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TABLE OF CONTENTS

	Page
Introduction	iv
How to use the Custom and Rental Rate Guide	vi
Classification of Air Drills, Air Seeders and Zero Till Drills	vii
2002 Average Calculated Custom Rates. . .	viii
Powered Equipment	
Bale Wagons, Self-Propelled	1
Combines, Self-Propelled Conventional	1
Combines, Self-Propelled Rotary	1
Grain Augers with Motor	2
Sprayers, High Clearance	2
Swathers, Self-Propelled	2
Tractors, 2 Wheel Drive	3
Tractors, 4 Wheel Drive	4
Trucks, Grain	5
Trucks, Pickup	5
Drawn Equipment - Grain	
Air Disk Drills, Zero Till	6
Air Hoe Drills, Zero Till	6
Air Seeders, Minimum Till	7
Air Seeders, Zero Till	7
Anhydrous Ammonia Applicators	8
Combines, Pull Type	8
Cultivators, Field	8
Cultivators, Heavy Duty	9
Cultivators, Wide Blade	10
Discers with Seed & Fertilizer Attachments	10
Disks, Heavy Breaking	10
Disks, Heavy Tandem	11
Drills, Disk Press	11
Drills, Hoe Press	12
Drills, Zero Till Gravity Disk	12
Drills, Zero Till Gravity Hoe	12
Fertilizer Spreaders	13
Grain Augers with PTO	13
Grain Conveyors with PTO	13
Grain Dryers, Batch	13
Grain Dryers, Continuous	13
Grain Vacs	14
Granular Herbicide Applicators: Cultivator Mount & Trailer Type	14
Harrows, Standard 5 Bar Tine	15
Harrows, Heavy	15
Harrow Packers	15
Land Rollers	16
Plows	16
Rock Pickers	16
Rock Rakes	16
Rock Picker, Rock Rake Combinations	16

Rodweeders 17
Rodweeders, with Multiplex or Vibratiller 17
Sprayers, Pull Type 18
Sprayers, Truck Mount 18
Swathers, Pull Type 18
Swath Roller 18

Drawn Equipment - Livestock and Forage
Bale Movers, Large Round 19
Bale Processors 19
Balers, Large Round 19
Balers, Standard 19
Bale Wagons, Pull Type 19
Forage Harvesters, Pull Type 20
Grinder Mixers 20
Hay Rakes 20
Manure Spreaders 21
Manure Spreaders, Liquid 21
Mower Conditioners 21
Mowers, Sickle 22
Post Pounders 22
Rotary Cutters 22
Trailers, Livestock 22
Tub Grinders 22
Vertical Feed Mixers 22

Drawn Equipment - Miscellaneous
Front End Loaders 23
Scrapers 23
Snow Blowers 23

Appendix A **Page**
Custom Grain and Hay Hauling
Farm to Market 24
Seed to the Field 24
Field to Yard 25
Custom Large Round Bale Hauling
Field to Yard 26
Custom Water Hauling for Field Spraying 26
Custom High Clearance Sprayer
Transportation Costs 27

Appendix B
Combine Classification 28

Appendix C **Page**
Rental Rate Calculation Worksheet 28

Appendix D
Custom Rate Calculation Worksheet 29

Appendix E
Formulas Used in Calculations 30

Appendix F
Machinery Cost Calculation Guide 31

Appendix G
Factors to Consider When Custom Hiring 35
Sample Custom Farming Agreement 36

INTRODUCTION

This publication gives detailed information regarding guidelines for machine ownership, operating costs, custom rates and rental rates for farm machinery. **This information is provided as a guideline and should be interpreted and adjusted for individual situations.**

The costs calculated in this publication use the list price less a discount to arrive at an average selling price of a new machine. Machine companies may reduce the actual selling price of the machinery below their suggested retail prices. The intent of this publication is to estimate both the ownership (fixed) and operating (variable) costs of owning machinery.

The farmer who has already invested in a machine for his or her own use may be in a position to do custom work for a neighbour for the suggested custom rate less some portion of the investment cost and still realize a return. A farmer doing work for a neighbour would need to charge at least enough to cover the operating (variable) costs of the equipment and an amount to cover labour costs.

Individuals who have a custom farming business should calculate all costs plus overhead costs (transportation, liability insurance, utility costs, advertising and shop equipment). Custom operators should determine these overhead costs before establishing their rates.

Assumptions

1. Interest on investment is calculated at 5.3% and assumes machinery investment is 50% owned, and 50% borrowed. The interest rate is calculated by averaging the five-year term deposit rate, with the five-year machinery loan interest rate.

2. Diesel fuel is charged at $0.42 per litre, gasoline is charged at $0.61 per litre. The Saskatchewan fuel tax of $0.15 per litre on diesel fuel has been removed as both farmers and custom operators are eligible for this exemption.

   Effective January 1, 2001, custom operators can apply for a temporary fuel tax exemption permit thereby receiving the $0.15 per litre rebate on diesel fuel. This exemption is intended only for diesel fuel that is purchased for use in custom operators' **unlicensed** farm equipment while carrying out farming activities for a permit holding farmer.

   For further information, contact the Farm Fuel Program toll free at 1-800-667-7587.

   The 7% GST was deducted in calculating the gasoline and diesel prices because custom operators and farmers can apply for an input tax credit on these items.

   At the time of printing, farmers are also eligible for a $0.15/litre Saskatchewan tax rebate on gasoline used in the farming operation. With this rebate, farmers doing custom work for a neighbour would have lower fuel costs than those calculated in this publication and could therefore charge a lower custom rate.

   Oil and grease is charged at $0.35 per hour for each 100 hp.

3. Labour is charged at $9.00 per hour.

4. Propane is charged at $0.30 per litre.

The first section of this publication is a summary of selected custom farming operations and the custom rate for each operation. The following pages contain detailed calculations that were used to arrive at the rental or custom rate for specific farm equipment. This detailed information is provided in a table format that includes:

- machine costs per hour,
- machine rental per hour, and
- custom work rates.

Machine Cost Per Hour Table

The basis for calculating the machine cost data is the cost of new equipment. This information was collected in January 2002 using the most current equipment pricing guides of the major equipment manufacturers and various shortline manufacturers. The manufacturers' suggested retail price was discounted 10% on machines valued up to $50,000, 15% for machines valued between $50,000 and $100,000 and 18% for machines valued over $100,000.

The machine cost data is given for a wide variety of farm equipment under different ranges of annual hours of use. The data is specific to each individual machine and includes fixed costs (depreciation, investment cost, insurance and housing) and variable costs (repairs, fuel, oil and grease). The total cost per hour figure is the total cost of owning and operating that particular machine.

Machine Rental Per Hour Table

The rental rates section deals specifically with renting equipment for short time periods. The rates are not designed as lease rates. The rates should not be used for long term or seasonal lease arrangements.

Rental rates are calculated by adding the fixed costs (ownership costs) and repair costs to arrive at the basic rental costs. The margin is calculated by multiplying the basic rental costs by 15%. The margin is added to cover risk, profit and management. The rental rates include an allowance for repair only. The renter is responsible for fuel and lubrication. No account is made to cover neglect by the renter. In the case of neglect, a settlement between the parties involved must be negotiated.

The rental rate is the total of the basic rental costs and the 15% margin. The rental rates are specific to each machine. If a complement (tractor and machine) is rented, the rental rate would be the total of the two machine rental rates.

The average rental rate is listed in each category of machines as a guide, and is calculated using the average rental rate for the middle number of hours of use.

Custom Work Rates Table

The custom work rates section deals specifically with rates for custom work including both the machine(s) and operator. The basic custom work costs are calculated by summing the total costs of the power unit (if applicable), machine, and the labour allowance per hour. A margin to cover risk, profit, management and an incentive for the operator is calculated by multiplying the basic custom work rates by 15%. The custom rate is then determined by adding the basic custom work rate and the margin. In all cases, a basic labour rate of $9.00 per hour is used. The average custom rate is calculated for the middle number of hours of use for all machines except combines where the high number of hours is used.

In the case of drawn equipment, a power unit suitable to that drawn machine has been selected and the total cost of both the power unit and the drawn machine have been added together to arrive at an overall total cost for that operation.

The information provided in all three segments of the table is based on average conditions and should be used as a guide only.

Additional points to consider when negotiating a custom work agreement are outlined in Appendix G, along with a sample of a custom farming agreement.

An additional aid in calculating custom rates is Alberta Agriculture's Farm Machinery Cost Calculator. It is available on their website at: www.agric.gov.ab.ca

HOW TO USE THIS PUBLICATION

Use the table of contents to locate the machine. Equipment is divided into the following sections:

- Powered Equipment
- Drawn Equipment - Grain
- Drawn Equipment - Livestock and Forage
- Drawn Equipment - Miscellaneous

Equipment is listed alphabetically within each section.

Locate the size of machine to be used and the number of hours of annual use (if you are unsure of the annual hours of work, use the middle rate). The rental rate per hour and custom rate are calculated for each amount of usage. Mathematical rounding of some of the calculations may cause an error of one or two cents. The calculated custom rate is the correct figure.

Calculating a custom rate for used equipment
If you require a custom rate for used equipment or for a number of hours not included in this publication, you can calculate your own custom rate using the blank worksheet in Appendix D. This blank worksheet can also be used to calculate a custom rate using a different number of annual hours of use.

If the machine is not listed in this publication, use the cost formulas from Appendix F, for a similar machine.

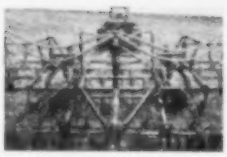
If your machine has a lower value than the one in this publication you can use the lower value to calculate the machine's investment cost, however, you should use the original cash cost to calculate repair costs. Using a value less than the original cash cost will underestimate repair costs.

Truck usage
Some operations such as seeding, fertilizing or spraying require the use of a truck to haul seed, fertilizer or water to the field. The cost of the truck has not been included in the spraying or fertilizing custom rates. For an example of calculating truck usage, see Appendix A.

Power units
Power units have been matched with drawn implements for average working conditions. Some soils may require a larger power unit than the one required for average conditions. Some operations, in certain conditions, could be performed using a smaller power unit than the one used in this publication.

Cost Approach
This publication uses the cost approach of calculating custom rates. The cost approach may differ from the custom rate normally charged by custom operators for some operations. In reality, the forces of demand and supply will determine the custom rates charged by custom operators.

CLASSIFICATION OF AIR DRILLS, AIR SEEDERS AND ZERO TILL DRILLS



There are several types of air seeding and zero till seeding tools. This classification should help to remove uncertainty as to which category air seeders and zero till seeders fit into. The following classification for air drills, air seeders and zero till gravity drills has been developed with the assistance of Prairie Agricultural Machinery Institute (PAMI).

Air Disk Drills, Zero Till

- integral on-row packer wheels are incorporated in the design that supports the rear half of the drill;
- an air system is used to deliver the seed and fertilizer;
- high clearance;
- heavy duty trips;
- generally used to seed into untilled soil;
- speed used in work rate calculation of approximately 4.5 mph; and
- includes side banding air disk drills with gauge packers.

Air Hoe Drills, Zero Till

- integral on-row packer wheels are incorporated in the design that supports the rear half of the air hoe drill;
- includes side banding air hoe drills with individual gauge packers;
- an air system is used to deliver the seed and fertilizer;
- high clearance;
- heavy duty trips (400lbs+);
- generally used to seed into untilled soil; and
- speed used in work rate calculation of approximately 4.5 mph.

Air Seeders, Minimum Till

- a cultivator type tillage tool, with in frame wheels, equipped with sweep type openers using an air system to deliver the seed and fertilizer;
- no on-row packer wheels;
- typically followed by a harrow packer; and
- speed used in work rate calculation of approximately 5.5 mph.

Air Seeder, Zero Till

- a cultivator type tillage tool, with in frame wheels, using a double shoot air system to deliver the seed and fertilizer;
- capable of seeding directly into untilled soil using narrow openers to minimize soil disturbance;
- on-row rear mounted packer wheels;
- includes minimum tillage air seeders modified for zero tillage seeding; and
- speed used in work rate calculation of approximately 4.5 mph.

Drills, Zero Till Gravity Disk

- capable of seeding directly into untilled soil using narrow openers to minimize soil disturbance;
- a gravity system is used to deliver the seed and fertilizer;
- has on-row packer wheels;
- may be single or double shoot system; and
- speed used in work rate calculation of approximately 4.5 mph.

Drills, Zero Till Gravity Hoe

- capable of seeding directly into untilled soil using narrow openers to minimize soil disturbance;
- a gravity system is used to deliver the seed and fertilizer;
- has on-row packer wheels;
- single shoot system; and
- speed used in work rate calculation of approximately 4.5 mph.

VIII - 28

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IMPORTANT NOTE CONCERNING THE FOLLOWING PAGES

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2002 Average Calculated Custom Rates

	Average Custom Rate
Powered Equipment	
Bale Wagons SP	$ 0.57/bale
Combines* (trucking not incl.)	19.04/ac
Grain Augers (7", 38-45ft) plus margin(15%)	13.21/hr
Sprayers SP (additional costs included)	2.56/ac
Swathers SP	12.52/ac

** The custom rate from field to yard hauling from one combine is $0.13/bu. for the first mile plus $0.01/bu. for each additional mile.*

	Average Custom Rate
Tractors 2WD (30-69 hp)	.42-.58/PTO hp/hr
(70-180+ hp)	.39-.43/PTO hp/hr
Tractors 4WD (100-130 hp)	$.46/PTO hp/hr
(250-400+ hp)	.25-.29/PTO hp/hr
Trucks pick-up 1/2 ton	41.79/hr
Trucks pick-up 3/4 ton	45.85/hr
Trucks grain 1 ton	68.69/hr
Trucks grain 3 ton	97.79/hr
Trucks grain 4 ton	123.29/hr

Drawn Equipment - Grain	
Air Disk Drills, Zero Till	$13.38/ac
Air Hoe Drills, Zero Till	11.09/ac
Air Seeders, Minimum Till	8.93/ac
Air Seeders, Zero Till	11.59/ac
Anhydrous Ammonia Applicators	6.41/ac
Combines, PTO	18.66/ac
Cultivators, Field	4.46/ac
Cultivators, Heavy Duty	4.99/ac
Cultivators, Wide Blade	4.00/ac
Discers w/S.A., F.A.	6.72/ac
Disks, Heavy Breaking	15.09/ac
Disks, Heavy Tandem	7.03/ac
Drills, Disk Press	9.04/ac
Drills, Hoe Press	9.90/ac
Drills, Zero Till Gravity Disk	14.79/ac
Drills, Zero Till Gravity Hoe	10.22/ac
Fertilizer Spreaders	2.74/ac
Grain Augers PTO (8", 40-51 ft)	.0098/bu
Grain Augers PTO (10", 50-60 ft)	.0075/bu
Grain Augers PTO (13", 60-90 ft)	.0083/bu
Grain Conveyors PTO (15"belt, 60-65 ft)	$0.0061/bu
Grain Dryers, Batch (each % dried)	.13/bu
Grain Dryers, Continuous (each % dried) 300 bu	.12/bu
Grain Dryers, Continuous (each % dried) 600 bu	.08/bu
Grain Vacs	.03/bu
Granular Herbicide Applicators, Cult. Mount	.52/ac
Granular Herbicide Applicators, Trailer Type	1.49/ac
Harrows, Standard 5 Bar Tine	2.15/ac
Harrows, Heavy	1.68/ac
Harrow Packers	3.34/ac
Land Rollers	3.62/ac
Plows	17.77/ac
Rock Pickers, 3 Paddle Hydraulic	60.73/hr
Rock Pickers, Extra Large	68.49/hr
Rock Rakes 20 ft	53.67/hr
Rock Pickers-Rock Rakes 20-22 ft hyd	90.91/hr
Rodweeders (average between both categories)	3.55/ac
Sprayers, PTO (hauling water incl.)	3.62/ac
Swathers, Single Swath	4.86/ac
Swath Rollers	.10/ac

Drawn Equipment - Livestock and Forage	
Bale Movers, 7-8 Bales	$ 53.93/hr
Bale Movers, 14-16 Bales	86.23/hr
Bale Processors	65.52/hr
Balers, Large Round 5'x6' (twine incl)	10.55/bale
Balers, Standard, 14"x18" (twine incl)	.47/bale
Bale Wagons, PTO	.48/bale
Forage Harvesters, Medium	130.46/hr
Grinder Mixer, 120-150 bu	66.66/hr
Hay Rake, 15 ft wheel	4.85/ac
Manure Spreaders, 140-199 cu ft	53.34/hr
Manure Spreaders, Liquid 1300-1899 gal	52.60/hr
Mower Conditioners	$ 14.23/ac
Mowers, Sickle	9.11/ac
Post Pounders 350lb hammer	32.67/hr
Rotary Cutter, 10 ft trailing	51.99/hr
Trailers, Livestock, 16 ft Bumper	53.23/hr
Tub Grinder 8 T	79.45/hr
Vertical Feed Mixers 600-1000 cu ft	91.75/hr
Front-end Loaders, 70-140 hp	49.53/hr
Scraper, 5.5-6.5 yd	85.81/hr
Snow Blowers, 8 ft Front Mount	75.98/hr
Snow Blowers, 8 ft Rear Mount	43.15/hr

Custom Trucking

Custom Rate from farm to market is $0.10/bu. for the first three miles plus $0.014/bu. for each additional mile.

Saskatchewan Agriculture, Food and Rural Revitalization

POWERED EQUIPMENT

MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	MACHINE COMPONENT COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	CUSTOM WORK RATES: BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE WAGONS SP																	$/BALE
160 BALE	139700	60	18	210.90	27.94	10.98	0.35	250.17		238.84	35.83	274.66	259.17	38.88	298.04		0.79
(100 HP)		100	(G)	138.51	27.94	10.98	0.35	177.78	9.00	166.45	24.97	191.42	186.78	28.02	214.80	375	0.57
		140		108.15	27.94	10.98	0.35	147.42		136.09	20.41	156.50	156.42	23.46	179.88	BL/HR	0.48
								Average Rental Rate per Bale				0.51	Average Custom Rate per Bale				0.57
COMBINES SP CONVENTIONAL W/PICKUP																	$/AC
SMALL	189500	120	25	171.15	40.43	10.50	0.67	222.74		211.58	31.74	243.31	231.74	34.76	266.50		33.31
190 HP		150	(D)	144.21	40.43	10.50	0.67	195.80	9.00	184.64	27.70	212.33	204.80	30.72	235.52	8.0	29.44
		180		127.35	40.43	10.50	0.67	178.94		167.78	25.17	192.95	187.94	28.19	216.14	AC/HR	27.02
		350		78.52	40.43	10.50	0.67	130.12		118.95	17.84	136.79	139.12	20.87	159.98		20.00
MEDIUM	225900	120	34	204.03	48.19	14.28	0.86	267.36		252.22	37.83	290.05	276.36	41.45	317.81		33.45
260 HP		150	(D)	171.91	48.19	14.28	0.86	235.24	9.00	220.10	33.02	253.12	244.24	36.64	280.88	9.5	29.57
		180		151.82	48.19	14.28	0.86	215.14		200.01	30.00	230.01	224.14	33.62	257.77	AC/HR	27.13
		350		93.61	48.19	14.28	0.86	156.94		141.80	21.27	163.07	165.94	24.89	190.83		20.09
LARGE	236100	120	40	213.24	50.37	16.80	0.98	281.39		263.61	39.54	303.15	290.39	43.56	333.95		29.04
280 HP		150	(D)	179.67	50.37	16.80	0.98	247.82	9.00	230.04	34.51	264.55	256.82	38.52	295.34	11.5	25.68
		180		158.67	50.37	16.80	0.98	226.82		209.04	31.36	240.39	235.82	35.37	271.19	AC/HR	23.58
		350		97.83	50.37	16.80	0.98	165.98		148.20	22.23	170.43	174.98	26.25	201.23		17.50
								Average Rental Rate per Acre				16.36	Average Custom Rate per Acre				19.19
COMBINES SP ROTARY W/PICKUP																	$/AC
SMALL	179300	120	29	161.94	38.25	12.18	0.70	213.07		200.19	30.03	230.22	222.07	33.31	255.38		31.92
180 HP		150	(D)	136.45	38.25	12.18	0.70	187.58	9.00	174.70	26.20	200.90	196.58	29.49	226.06	8.0	28.26
		180		120.50	38.25	12.18	0.70	171.63		158.75	23.81	182.56	180.63	27.09	207.72	AC/HR	25.97
		350		74.30	38.25	12.18	0.70	125.43		112.55	16.88	129.43	134.43	20.16	154.59		19.32
MEDIUM	214400	120	35	193.64	45.74	14.70	0.88	254.95		239.38	35.91	275.29	263.95	39.59	303.55		31.95
250 HP		150	(D)	163.16	45.74	14.70	0.88	224.47	9.00	208.90	31.33	240.23	233.47	35.02	268.49	9.5	28.26
		180		144.09	45.74	14.70	0.88	205.40		189.83	28.47	218.30	214.40	32.16	246.56	AC/HR	25.95
		350		88.84	45.74	14.70	0.88	150.16		134.58	20.19	154.77	159.16	23.87	183.03		19.27
LARGE	243500	120	42	219.92	51.95	17.64	1.05	290.56		271.87	40.78	312.65	299.56	44.93	344.49		29.96
300 HP		150	(D)	185.30	51.95	17.64	1.05	255.94	9.00	237.25	35.59	272.84	264.94	39.74	304.68	11.5	26.49
		180		163.64	51.95	17.64	1.05	234.28		215.59	32.34	247.93	243.28	36.49	279.77	AC/HR	24.33
		350		100.90	51.95	17.64	1.05	171.54		152.85	22.93	175.77	180.54	27.08	207.62		18.05
								Average Rental Rate per Acre				15.92	Average Custom Rate per Acre				18.86

Straight Combining Adjustments *

Standard Straight Cut Header

For a 20 ft. straight cut header add **$0.52/Hr**. to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre. Add **$0.07/ac** at 3 ac/hr.
For a 25 ft. straight cut header add **$2.08/Hr**. to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre. Add **$0.22/ac** at 9.5 ac/hr.
For a 30 ft. straight cut header add **$4.24/Hr**. to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre. Add **$0.37/ac** at 11.5 ac/hr.

Flex Header and Pickup Reels

For a 20 ft. straight cut header add **$5.43/Hr**. to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre. Add **$.68/ac** at 8 ac/hr.
For a 25 ft. straight cut header add **$7.66/Hr.** to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre. Add **$0.81/ac** at 9.5 ac/hr
For a 30 ft. straight cut header add **$10.56/Hr**. to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre. Add **$0.92/ac** at 11.5 ac/hr.

* Add the straight combining adjustments to the SP combine with pickup custom rate.

2002 Average Calculated Custom Rates

	Average Custom Rate
Powered Equipment	
Bale Wagons SP	$ 0.57/bale
Combines* (trucking not incl.)	19.04/ac
Grain Augers (7", 38-45ft) plus margin(15%)	13.21/hr
Sprayers SP (additional costs included)	2.56/ac
Swathers SP	12.52/ac

* *The custom rate from field to yard hauling from one combine is $0.13/bu. for the first mile plus $0.01/bu. for each additional mile.*

	Average Custom Rate
Tractors 2WD (30-69 hp)	.42-.58/PTO hp/hr
(70-180+ hp)	.39-.43/PTO hp/hr
Tractors 4WD (100-130 hp)	$.46/PTO hp/hr
(250-400+ hp)	.25-.29/PTO hp/hr
Trucks pick-up 1/2 ton	41.79/hr
Trucks pick-up 3/4 ton	45.85/hr
Trucks grain 1 ton	68.69/hr
Trucks grain 3 ton	97.79/hr
Trucks grain 4 ton	123.29/hr

Drawn Equipment - Grain	
Air Disk Drills, Zero Till	$13.38/ac
Air Hoe Drills, Zero Till	11.09/ac
Air Seeders, Minimum Till	8.93/ac
Air Seeders, Zero Till	11.59/ac
Anhydrous Ammonia Applicators	6.41/ac
Combines, PTO	18.66/ac
Cultivators, Field	4.46/ac
Cultivators, Heavy Duty	4.99/ac
Cultivators, Wide Blade	4.00/ac
Discers w/S.A., F.A.	6.72/ac
Disks, Heavy Breaking	15.09/ac
Disks, Heavy Tandem	7.03/ac
Drills, Disk Press	9.04/ac
Drills, Hoe Press	9.90/ac
Drills, Zero Till Gravity Disk	14.79/ac
Drills, Zero Till Gravity Hoe	10.22/ac
Fertilizer Spreaders	2.74/ac
Grain Augers PTO (8", 40-51 ft)	.0098/bu
Grain Augers PTO (10", 50-60 ft)	.0075/bu
Grain Augers PTO (13", 60-90 ft)	.0083/bu
Grain Conveyors PTO (15"belt, 60-65 ft)	$0.0061/bu
Grain Dryers, Batch (each % dried)	.13/bu
Grain Dryers,	
Continuous (each % dried) 300 bu	.12/bu
Continuous (each % dried) 600 bu	.08/bu
Grain Vacs	.03/bu
Granular Herbicide Applicators, Cult. Mount	.52/ac
Granular Herbicide Applicators, Trailer Type	1.49/ac
Harrows, Standard 5 Bar Tine	2.15/ac
Harrows, Heavy	1.68/ac
Harrow Packers	3.34/ac
Land Rollers	3.62/ac
Plows	17.77/ac
Rock Pickers, 3 Paddle Hydraulic	60.73/hr
Rock Pickers, Extra Large	68.49/hr
Rock Rakes 20 ft	53.67/hr
Rock Pickers-Rock Rakes 20-22 ft hyd	90.91/hr
Rodweeders	
(average between both categories)	3.55/ac
Sprayers, PTO (hauling water incl.)	3.62/ac
Swathers, Single Swath	4.86/ac
Swath Rollers	.10/ac

Drawn Equipment - Livestock and Forage	
Bale Movers, 7-8 Bales	$ 53.93/hr
Bale Movers, 14-16 Bales	86.23/hr
Bale Processors	65.52/hr
Balers, Large Round 5'x6' (twine incl)	10.55/bale
Balers, Standard, 14"x18" (twine incl)	.47/bale
Bale Wagons, PTO	.48/bale
Forage Harvesters, Medium	130.46/hr
Grinder Mixer, 120-150 bu	66.66/hr
Hay Rake, 15 ft wheel	4.85/ac
Manure Spreaders, 140-199 cu ft	53.34/hr
Manure Spreaders, Liquid 1300-1899 gal	52.60/hr
Mower Conditioners	$ 14.23/ac
Mowers, Sickle	9.11/ac
Post Pounders 350lb hammer	32.67/hr
Rotary Cutter, 10 ft trailing	51.99/hr
Trailers, Livestock, 16 ft Bumper	53.23/hr
Tub Grinder 8 T	79.45/hr
Vertical Feed Mixers 600-1000 cu ft	91.75/hr
Front-end Loaders, 70-140 hp	49.53/hr
Scraper, 5.5-6.5 yd	85.81/hr
Snow Blowers, 8 ft Front Mount	75.98/hr
Snow Blowers, 8 ft Rear Mount	43.15/hr

Custom Trucking

Custom Rate from farm to market is $0.10/bu. for the first three miles plus $0.014/bu. for each additional mile.

Saskatchewan Agriculture, Food and Rural Revitalization

POWERED EQUIPMENT

MACHINE SIZE	ORIG COST	ANN HOURS OF USE	FUEL TYPE AND LITRE /HOUR	MACHINE COMPONENT COSTS PER HOUR: FIXED COST $/HR	REPAIR COST $/HR	FUEL COST $/HR	LUBE & OIL COST /HR	TOTAL PER HR COST NO LABOUR $/HR	LAB COST $/HR	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR	MARGIN $/HR	RENTAL RATE $/HR	CUSTOM WORK RATES: BASIC CUSTOM WORK RATES $/HR	MARGIN $/HR	CUSTOM RATE $/HR	WORK RATE	CALC CUSTOM RATE
BALE WAGONS																	
																	$/BALE
0 BALE	139700	60	18	210.90	27.94	10.98	0.35	250.17		238.84	35.83	274.66	259.17	38.88	298.04		0.79
00 HP)		100	(G)	138.51	27.94	10.98	0.35	177.78	9.00	166.45	24.97	191.42	186.78	28.02	214.80	375	0.57
		140		108.15	27.94	10.98	0.35	147.42		136.09	20.41	156.50	156.42	23.46	179.88	BL/HR	0.48
								Average Rental Rate per Bale				0.51	Average Custom Rate per Bale				0.57
OMBINES SP																	
ONVENTIONAL W/PICKUP																	
																	$/AC
MALL	189500	120	25	171.15	40.43	10.50	0.67	222.74		211.58	31.74	243.31	231.74	34.76	266.50		33.31
0 HP		150	(D)	144.21	40.43	10.50	0.67	195.80	9.00	184.64	27.70	212.33	204.80	30.72	235.52	8.0	29.44
		180		127.35	40.43	10.50	0.67	178.94		167.78	25.17	192.95	187.94	28.19	216.14	AC/HR	27.02
		350		78.52	40.43	10.50	0.67	130.12		118.95	17.84	136.79	139.12	20.87	159.98		20.00
EDIUM	225900	120	34	204.03	48.19	14.28	0.86	267.36		252.22	37.83	290.05	276.36	41.45	317.81		33.45
0 HP		150	(D)	171.91	48.19	14.28	0.86	235.24	9.00	220.10	33.02	253.12	244.24	36.64	280.88	9.5	29.57
		180		151.82	48.19	14.28	0.86	215.14		200.01	30.00	230.01	224.14	33.62	257.77	AC/HR	27.13
		350		93.61	48.19	14.28	0.86	156.94		141.80	21.27	163.07	165.94	24.89	190.83		20.09
ARGE	236100	120	40	213.24	50.37	16.80	0.98	281.39		263.61	39.54	303.15	290.39	43.56	333.95		29.04
0 HP		150	(D)	179.67	50.37	16.80	0.98	247.82	9.00	230.04	34.51	264.55	256.82	38.52	295.34	11.5	25.68
		180		158.67	50.37	16.80	0.98	226.82		209.04	31.36	240.39	235.82	35.37	271.19	AC/HR	23.58
		350		97.83	50.37	16.80	0.98	165.98		148.20	22.23	170.43	174.98	26.25	201.23		17.50
								Average Rental Rate per Acre				16.36	Average Custom Rate per Acre				19.19
OMBINES SP																	
OTARY W/PICKUP																	
																	$/AC
MALL	179300	120	29	161.94	38.25	12.18	0.70	213.07		200.19	30.03	230.22	222.07	33.31	255.38		31.92
0 HP		150	(D)	136.45	38.25	12.18	0.70	187.58	9.00	174.70	26.20	200.90	196.58	29.49	226.06	8.0	28.26
		180		120.50	38.25	12.18	0.70	171.63		158.75	23.81	182.56	180.63	27.09	207.72	AC/HR	25.97
		350		74.30	38.25	12.18	0.70	125.43		112.55	16.88	129.43	134.43	20.16	154.59		19.32
EDIUM	214400	120	35	193.64	45.74	14.70	0.88	254.95		239.38	35.91	275.29	263.95	39.59	303.55		31.95
0 HP		150	(D)	163.16	45.74	14.70	0.88	224.47	9.00	208.90	31.33	240.23	233.47	35.02	268.49	9.5	28.26
		180		144.09	45.74	14.70	0.88	205.40		189.83	28.47	218.30	214.40	32.16	246.56	AC/HR	25.95
		350		88.84	45.74	14.70	0.88	150.16		134.58	20.19	154.77	159.16	23.87	183.03		19.27
RGE	243500	120	42	219.92	51.95	17.64	1.05	290.56		271.87	40.78	312.65	299.56	44.93	344.49		29.96
0 HP		150	(D)	185.30	51.95	17.64	1.05	255.94	9.00	237.25	35.59	272.84	264.94	39.74	304.68	11.5	26.49
		180		163.64	51.95	17.64	1.05	234.28		215.59	32.34	247.93	243.28	36.49	279.77	AC/HR	24.33
		350		100.90	51.95	17.64	1.05	171.54		152.85	22.93	175.77	180.54	27.08	207.62		18.05
								Average Rental Rate per Acre				15.92	Average Custom Rate per Acre				18.88

raight Combining Adjustments *

Standard Straight Cut Header

or a 20 ft. straight cut header add **$0.52/Hr**. to the combine custom rate per hour and divide by the workrate acres per hour to calculate the custom rate per acre. Add **$0.07/ac** at 8 ac/hr.

or a 25 ft. straight cut header add **$2.08/Hr**. to the combine custom rate per hour and divide by the workrate acres per hour to calculate the custom rate per acre. Add **$0.22/ac** at 9.5 ac/hr.

or a 30 ft. straight cut header add **$4.24/Hr**. to the combine custom rate per hour and divide by the workrate acres per hour to calculate the custom rate per acre. Add **$0.37/ac** at 11.5 ac/hr.

Flex Header and Pickup Reels

or a 20 ft. straight cut header add **$5.43/Hr**. to the combine custom rate per hour and divide by the workrate acres per hour to calculate the custom rate per acre. Add **$.68/ac** at 8 ac/hr.

or a 25 ft. straight cut header add **$7.66/Hr.** to the combine custom rate per hour and divide by the workrate acres per hour to calculate the custom rate per acre. Add **$0.81/ac** at 9.5 ac/hr

or a 30 ft. straight cut header add **$10.56/Hr**. to the combine custom rate per hour and divide by the workrate acres per hour to calculate the custom rate per acre. Add **$0.92/ac** at 11.5 ac/hr.

Add the straight combining adjustments to the SP combine with pickup custom rate.

POWERED EQUIPMENT

MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	MACHINE COMPONENT COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	CUSTOM WORK RATES: BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN AUGERS										SEE							
7 IN.	3810	25	1	13.59	1.52	0.61	0.06	15.78									
30-37 FT		50	(G)	7.56	1.52	0.61	0.06	9.75		GRAIN							
(W/16 HP)		75		5.51	1.52	0.61	0.06	7.70									
										HAULING							
7 IN.	4440	25	1.4	15.83	1.78	0.85	0.06	18.52									
38-45 FT		50	(G)	8.80	1.78	0.85	0.06	11.49		SECTION							
(W/18 HP)		75		6.42	1.78	0.85	0.06	9.10									
SPRAYER, HIGH CLEARANCE																	
60 FOOT BOOM																	$/AC
110 HP		200		49.60	7.60	6.30	0.39	63.89		57.20	8.58	65.78	72.89	10.93	83.82		1.52
		300		35.04	7.60	6.30	0.39	49.33		42.64	6.40	49.04	58.33	8.75	67.08		1.22
	86900	400	15	28.06	7.60	6.30	0.39	42.35		35.66	5.35	41.01	51.35	7.70	59.05		1.07
		500	(D)	24.18	7.60	6.30	0.39	38.47	9.00	31.79	4.77	36.56	47.47	7.12	54.59	55.0	0.99
		600		21.96	7.60	6.30	0.39	36.25		29.57	4.44	34.00	45.25	6.79	52.04	AC/HR	0.95
60 FOOT BOOM																	
125 HP		200		67.86	10.40	8.40	0.44	87.10		78.27	11.74	90.01	96.10	14.42	110.52		2.01
		300		47.94	10.40	8.40	0.44	67.18		58.35	8.75	67.10	76.18	11.43	87.61		1.59
	118900	400	20	38.39	10.40	8.40	0.44	57.63		48.79	7.32	56.11	66.63	9.99	76.63		1.39
		500	(D)	33.09	10.40	8.40	0.44	52.33	9.00	43.49	6.52	50.02	61.33	9.20	70.53	55.0	1.28
		600		30.05	10.40	8.40	0.44	49.29		40.46	6.07	46.52	58.29	8.74	67.04	AC/HR	1.22
80 FOOT BOOM																	$/AC
180 HP		200		88.12	13.51	12.60	0.63	114.86		101.63	15.25	116.88	123.86	18.58	142.44		1.90
		300		62.26	13.51	12.60	0.63	89.00		75.77	11.37	87.13	98.00	14.70	112.70		1.50
	154400	400	30	49.85	13.51	12.60	0.63	76.59		63.36	9.50	72.87	85.59	12.84	98.43		1.31
		500	(D)	42.97	13.51	12.60	0.63	69.71	9.00	56.48	8.47	64.95	78.71	11.81	90.52	75.0	1.21
		600		39.02	13.51	12.60	0.63	65.76		52.53	7.88	60.41	74.76	11.21	85.98	AC/HR	1.15
100 FOOT BOOM																	
200 HP		200		116.60	17.88	16.80	0.70	151.98		134.48	20.17	154.65	160.98	24.15	185.13		2.06
		300		82.38	17.88	16.80	0.70	117.76		100.26	15.04	115.29	126.76	19.01	145.77		1.62
	204300	400	40	65.96	17.88	16.80	0.70	101.34		83.84	12.58	96.42	110.34	16.55	126.89		1.41
		500	(D)	56.86	17.88	16.80	0.70	92.23	9.00	74.73	11.21	85.94	101.23	15.18	116.42	90.0	1.29
		600		51.64	17.88	16.80	0.70	87.01		69.51	10.43	79.94	96.01	14.40	110.42	AC/HR	1.23
								Average Rental Rate per Acre				0.95	Average Custom Rate per Acre				1.40

NOTE: For a custom spraying operation, the cost of transportation would be on average $0.46 /ac. See Appendix A.
: Cost of foam ranges from $ 03-$ 25/ac.
: For the cost of hauling water to the field add $0.45/acre (assumes 7.5 gal/ac., 12 mile haul & $5.00/1200 gal water cost). See Appendix A.
: For the cost of hauling water to the field add $0.55/acre if the water truck driver is paid for waiting time.
: For a custom spraying operation add a charge for liability insurance and administration costs.

SWATHERS SP																	$/AC
18 FT	77400	60	13	116.85	17.03	5.46	0.26	139.60		133.87	20.08	153.96	148.60	22.29	170.89		20.10
STANDARD		100	(D)	76.74	17.03	5.46	0.26	99.49	9.00	93.77	14.07	107.84	108.49	16.27	124.77	8.5	14.68
TABLE		140		59.92	17.03	5.46	0.26	82.67		76.95	11.54	88.49	91.67	13.75	105.42	AC/HR	12.40
20-22 FT	79400	60	14	119.87	17.47	5.88	0.32	143.53		137.33	20.60	157.93	152.53	22.88	175.41		18.46
SLIDING		100	(D)	78.73	17.47	5.88	0.32	102.39	9.00	96.19	14.43	110.62	111.39	16.71	128.10	9.5	13.48
TABLE		140		61.47	17.47	5.88	0.32	85.13		78.94	11.84	90.78	94.13	14.12	108.25	AC/HR	11.39
24-26 FT	82400	60	14	124.39	18.13	5.88	0.32	148.72		142.52	21.38	163.90	157.72	23.66	181.38		15.77
SLIDING		100	(D)	81.70	18.13	5.88	0.32	106.02	9.00	99.83	14.97	114.80	115.02	17.25	132.28	11.5	11.50
TABLE		140		63.79	18.13	5.88	0.32	88.11		81.92	12.29	94.21	97.11	14.57	111.68	AC/HR	9.71
30 FT	91900	60	15	138.74	20.22	6.30	0.32	165.57		158.95	23.84	182.80	174.57	26.19	200.75		14.34
SLIDING		100	(D)	91.12	20.22	6.30	0.32	117.95	9.00	111.34	16.70	128.04	126.95	19.04	145.99	14.0	10.43
TABLE		140		71.14	20.22	6.30	0.32	97.98		91.36	13.70	105.07	106.98	16.05	123.02	AC/HR	8.79
								Average Rental Rate per Acre				10.86	Average Custom Rate per Acre				12.52

NOTE: To include a hay conditioner add $13.65/hour to the custom rate per hour and divide by the number of acres per hour.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES		
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
TRACTORS 2WD (PTO-HP)															
		200		9.09	1.12	3.36	0.12	13.69		10.20	1.53	11.73	22.69	3.40	26.09
		300		6.75	1.12	3.36	0.12	11.34		7.86	1.18	9.04	20.34	3.05	23.40
30-39 HP	21600	400	8	5.47	1.12	3.36	0.12	10.06		6.58	0.99	7.57	19.06	2.86	21.92
		600	**(D)**	**3.90**	**1.12**	**3.36**	**0.12**	**8.50**	**9.00**	**5.02**	**0.75**	**5.77**	**17.50**	**2.63**	**20.13**
		800		3.17	1.12	3.36	0.12	7.77		4.29	0.64	4.93	16.77	2.52	19.28
		200		11.53	1.42	3.78	0.16	16.88		12.94	1.94	14.89	25.88	3.88	29.76
		300		8.56	1.42	3.78	0.16	13.91		9.97	1.50	11.47	22.91	3.44	26.35
40-49 HP	27400	400	9	6.93	1.42	3.78	0.16	12.29		8.35	1.25	9.60	21.29	3.19	24.48
		600	**(D)**	**4.95**	**1.42**	**3.78**	**0.16**	**10.30**	**9.00**	**6.37**	**0.95**	**7.32**	**19.30**	**2.90**	**22.20**
		800		4.02	1.42	3.78	0.16	9.37		5.44	0.82	6.25	18.37	2.76	21.13
		200		14.39	1.77	4.20	0.19	20.55		16.16	2.42	18.58	29.55	4.43	33.98
		300		10.68	1.77	4.20	0.19	16.84		12.45	1.87	14.32	25.84	3.88	29.72
50-59 HP	34200	400	10	8.65	1.77	4.20	0.19	14.81		10.42	1.56	11.98	23.81	3.57	27.39
		600	**(D)**	**6.18**	**1.77**	**4.20**	**0.19**	**12.34**	**9.00**	**7.94**	**1.19**	**9.14**	**21.34**	**3.20**	**24.54**
		800		5.02	1.77	4.20	0.19	11.18		6.79	1.02	7.80	20.18	3.03	23.21
		200		15.99	1.96	5.88	0.23	24.06		17.95	2.69	20.64	33.06	4.96	38.02
		300		11.87	1.96	5.88	0.23	19.94		13.83	2.07	15.91	28.94	4.34	33.28
60-69 HP	38000	400	14	9.62	1.96	5.88	0.23	17.69		11.58	1.74	13.32	26.69	4.00	30.69
		600	**(D)**	**6.86**	**1.96**	**5.88**	**0.23**	**14.93**	**9.00**	**8.83**	**1.32**	**10.15**	**23.93**	**3.59**	**27.53**
		800		5.58	1.96	5.88	0.23	13.65		7.54	1.13	8.67	22.65	3.40	26.05
		200		22.38	2.75	6.72	0.26	32.12		25.13	3.77	28.90	41.12	6.17	47.28
		300		16.62	2.75	6.72	0.26	26.35		19.36	2.90	22.27	35.35	5.30	40.65
70-79 HP	53200	400	16	13.46	2.75	6.72	0.26	23.19		16.21	2.43	18.64	32.19	4.83	37.02
		600	**(D)**	**9.61**	**2.75**	**6.72**	**0.26**	**19.34**	**9.00**	**12.36**	**1.85**	**14.21**	**28.34**	**4.25**	**32.59**
		800		7.81	2.75	6.72	0.26	17.54		10.56	1.58	12.14	26.54	3.98	30.52
		200		23.98	2.95	7.56	0.30	34.79		26.93	4.04	30.97	43.79	6.57	50.35
		300		17.80	2.95	7.56	0.30	28.60		20.75	3.11	23.86	37.60	5.64	43.25
80-89 HP	57000	400	18	14.42	2.95	7.56	0.30	25.23		17.37	2.61	19.97	34.23	5.13	39.36
		600	**(D)**	**10.30**	**2.95**	**7.56**	**0.30**	**21.10**	**9.00**	**13.24**	**1.99**	**15.23**	**30.10**	**4.51**	**34.61**
		800		8.37	2.95	7.56	0.30	19.17		11.31	1.70	13.01	28.17	4.23	32.39
		200		28.70	3.52	8.40	0.33	40.95		32.22	4.83	37.05	49.95	7.49	57.44
		300		21.30	3.52	8.40	0.33	33.56		24.82	3.72	28.55	42.56	6.38	48.94
90-99 HP	68200	400	20	17.26	3.52	8.40	0.33	29.51		20.78	3.12	23.90	38.51	5.78	44.29
		600	**(D)**	**12.32**	**3.52**	**8.40**	**0.33**	**24.58**	**9.00**	**15.84**	**2.38**	**18.22**	**33.58**	**5.04**	**38.61**
		800		10.01	3.52	8.40	0.33	22.27		13.53	2.03	15.56	31.27	4.69	35.96
		200		37.36	4.59	9.66	0.39	52.00		41.95	6.29	48.24	61.00	9.15	70.14
		300		27.73	4.59	9.66	0.39	42.37		32.32	4.85	37.17	51.37	7.71	59.07
100-119 HP	88800	400	23	22.47	4.59	9.66	0.39	37.10		27.06	4.06	31.12	46.10	6.92	53.02
		600	**(D)**	**16.04**	**4.59**	**9.66**	**0.39**	**30.67**	**9.00**	**20.63**	**3.09**	**23.72**	**39.67**	**5.95**	**45.62**
		800		13.03	4.59	9.66	0.39	27.67		17.62	2.64	20.26	36.67	5.50	42.17
		200		41.57	5.10	11.76	0.46	58.89		46.67	7.00	53.68	67.89	10.18	78.07
		300		30.86	5.10	11.76	0.46	48.18		35.96	5.39	41.36	57.18	8.58	65.75
120-139 HP	98800	400	28	25.00	5.10	11.76	0.46	42.32		30.11	4.52	34.62	51.32	7.70	59.02
		600	**(D)**	**17.85**	**5.10**	**11.76**	**0.46**	**35.17**	**9.00**	**22.95**	**3.44**	**26.39**	**44.17**	**6.62**	**50.79**
		800		14.50	5.10	11.76	0.46	31.82		19.60	2.94	22.55	40.82	6.12	46.94
		200		45.74	5.62	13.44	0.53	65.32		51.35	7.70	59.05	74.32	11.15	85.46
		300		33.95	5.62	13.44	0.53	53.53		39.57	5.93	45.50	62.53	9.38	71.91
140-159 HP	108700	400	32	27.51	5.62	13.44	0.53	47.09		33.12	4.97	38.09	56.09	8.41	64.50
		600	**(D)**	**19.63**	**5.62**	**13.44**	**0.53**	**39.22**	**9.00**	**25.25**	**3.79**	**29.04**	**48.22**	**7.23**	**55.45**
		800		15.95	5.62	13.44	0.53	35.53		21.57	3.24	24.80	44.53	6.68	51.21

NOTE: For MFWD add the following to the Custom Rate $/HR. for 30-99 HP add $0.04/HP/HR
for over 99HP add $0.03/HP/HR

POWERED EQUIPMENT

MACHINE SIZE	ORIG COST	ANN HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR	REPAIR COST $/HR	FUEL COST $/HR	LUBE & OIL COST /HR	TOTAL PER HR COST NO LABOUR $/HR	LAB. COST $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR	RENTAL RATE $/HR	BASIC CUSTOM WORK RATES $/HR	MARGIN $/HR	CUSTOM RATE $/HR	WORK RATE	CALC. CUSTOM RATE
MACHINE COMPONENT COSTS PER HOUR										MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
GRAIN AUGERS										SEE							
7 IN.	3810	25	1	13.59	1.52	0.61	0.06	15.78									
30-37 FT		50	(G)	7.56	1.52	0.61	0.06	9.75		GRAIN							
(W/16 HP)		75		5.51	1.52	0.61	0.06	7.70		HAULING							
7 IN.	4440	25	1.4	15.83	1.78	0.85	0.06	18.52									
38-45 FT		50	(G)	8.80	1.78	0.85	0.06	11.49		SECTION							
(W/18 HP)		75		6.42	1.78	0.85	0.06	9.10									
SPRAYER, HIGH CLEARANCE																	$/AC
60 FOOT BOOM																	
110 HP		200		49.60	7.60	6.30	0.39	63.89		57.20	8.58	65.78	72.89	10.93	83.82		1.52
		300		35.04	7.60	6.30	0.39	49.33		42.64	6.40	49.04	58.33	8.75	67.08		1.22
	86900	400	15	28.06	7.60	6.30	0.39	42.35		35.66	5.35	41.01	51.35	7.70	59.05		1.07
		500	(D)	24.18	7.60	6.30	0.39	38.47	9.00	31.79	4.77	36.56	47.47	7.12	54.59	55.0	0.99
		600		21.96	7.60	6.30	0.39	36.25		29.57	4.44	34.00	45.25	6.79	52.04	AC/HR	0.95
60 FOOT BOOM																	
125 HP		200		67.86	10.40	8.40	0.44	87.10		78.27	11.74	90.01	96.10	14.42	110.52		2.01
		300		47.94	10.40	8.40	0.44	67.18		58.35	8.75	67.10	76.18	11.43	87.61		1.59
	118900	400	20	38.39	10.40	8.40	0.44	57.63		48.79	7.32	56.11	66.63	9.99	76.63		1.39
		500	(D)	33.09	10.40	8.40	0.44	52.33	9.00	43.49	6.52	50.02	61.33	9.20	70.53	55.0	1.28
		600		30.05	10.40	8.40	0.44	49.29		40.46	6.07	46.52	58.29	8.74	67.04	AC/HR	1.22
																	$/AC
80 FOOT BOOM																	
180 HP		200		88.12	13.51	12.60	0.63	114.86		101.63	15.25	116.88	123.86	18.58	142.44		1.90
		300		62.26	13.51	12.60	0.63	89.00		75.77	11.37	87.13	98.00	14.70	112.70		1.50
	154400	400	30	49.85	13.51	12.60	0.63	76.59		63.36	9.50	72.87	85.59	12.84	98.43		1.31
		500	(D)	42.97	13.51	12.60	0.63	69.71	9.00	56.48	8.47	64.95	78.71	11.81	90.52	75.0	1.21
		600		39.02	13.51	12.60	0.63	65.76		52.53	7.88	60.41	74.76	11.21	85.98	AC/HR	1.15
100 FOOT BOOM																	
200 HP		200		116.60	17.88	16.80	0.70	151.98		134.48	20.17	154.65	160.98	24.15	185.13		2.06
		300		82.38	17.88	16.80	0.70	117.76		100.26	15.04	115.29	126.76	19.01	145.77		1.62
	204300	400	40	65.96	17.88	16.80	0.70	101.34		83.84	12.58	96.42	110.34	16.55	126.89		1.41
		500	(D)	56.86	17.88	16.80	0.70	92.23	9.00	74.73	11.21	85.94	101.23	15.18	116.42	90.0	1.29
		600		51.64	17.88	16.80	0.70	87.01		69.51	10.43	79.94	96.01	14.40	110.42	AC/HR	1.23
								Average Rental Rate per Acre				0.95	Average Custom Rate per Acre				1.40

NOTE: For a custom spraying operation, the cost of transportation would be on average $0.46 /ac. See Appendix A.
Cost of foam ranges from $.03-$.25/ac.
For the cost of hauling water to the field add $0.45/acre (assumes 7.5 gal/ac., 12 mile haul & $5.00/1200 gal water cost). See Appendix A.
For the cost of hauling water to the field add $0.55/acre if the water truck driver is paid for waiting time.
For a custom spraying operation add a charge for liability insurance and administration costs.

																	$/AC
SWATHERS, SP.																	
18 FT.	77400	60	13	116.85	17.03	5.46	0.26	139.60		133.87	20.08	153.96	148.60	22.29	170.89		20.10
STANDARD		100	(D)	76.74	17.03	5.46	0.26	99.49	9.00	93.77	14.07	107.84	108.49	16.27	124.77	8.5	14.68
TABLE		140		59.92	17.03	5.46	0.26	82.67		76.95	11.54	88.49	91.67	13.75	105.42	AC/HR	12.40
20-22 FT	79400	60	14	119.87	17.47	5.88	0.32	143.53		137.33	20.60	157.93	152.53	22.88	175.41		18.46
SLIDING		100	(D)	78.73	17.47	5.88	0.32	102.39	9.00	96.19	14.43	110.62	111.39	16.71	128.10	9.5	13.48
TABLE		140		61.47	17.47	5.88	0.32	85.13		78.94	11.84	90.78	94.13	14.12	108.25	AC/HR	11.39
24-26 FT	82400	60	14	124.39	18.13	5.88	0.32	148.72		142.52	21.38	163.90	157.72	23.66	181.38		15.77
SLIDING		100	(D)	81.70	18.13	5.88	0.32	106.02	9.00	99.83	14.97	114.80	115.02	17.25	132.28	11.5	11.50
TABLE		140		63.79	18.13	5.88	0.32	88.11		81.92	12.29	94.21	97.11	14.57	111.68	AC/HR	9.71
30 FT	91900	60	15	138.74	20.22	6.30	0.32	165.57		158.95	23.84	182.80	174.57	26.19	200.75		14.34
SLIDING		100	(D)	91.12	20.22	6.30	0.32	117.95	9.00	111.34	16.70	128.04	126.95	19.04	145.99	14.0	10.43
TABLE		140		71.14	20.22	6.30	0.32	97.98		91.36	13.70	105.07	106.98	16.05	123.02	AC/HR	8.79
								Average Rental Rate per Acre				10.86	Average Custom Rate per Acre				12.52

NOTE: To include a hay conditioner add $13.65/hour to the custom rate per hour and divide by the number of acres per hour.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES		
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
TRACTORS 2WD (PTO-HP)															
		200		9.09	1.12	3.36	0.12	13.69		10.20	1.53	11.73	22.69	3.40	26.09
		300		6.75	1.12	3.36	0.12	11.34		7.86	1.18	9.04	20.34	3.05	23.40
30-39 HP	21600	400	8	5.47	1.12	3.36	0.12	10.06		6.58	0.99	7.57	19.06	2.86	21.92
		600	(D)	3.90	1.12	3.36	0.12	8.50	9.00	5.02	0.75	5.77	17.50	2.63	20.13
		800		3.17	1.12	3.36	0.12	7.77		4.29	0.64	4.93	16.77	2.52	19.28
		200		11.53	1.42	3.78	0.16	16.88		12.94	1.94	14.89	25.88	3.88	29.76
		300		8.56	1.42	3.78	0.16	13.91		9.97	1.50	11.47	22.91	3.44	26.35
40-49 HP	27400	400	9	6.93	1.42	3.78	0.16	12.29		8.35	1.25	9.60	21.29	3.19	24.48
		600	(D)	4.95	1.42	3.78	0.16	10.30	9.00	6.37	0.95	7.32	19.30	2.90	22.20
		800		4.02	1.42	3.78	0.16	9.37		5.44	0.82	6.25	18.37	2.76	21.13
		200		14.39	1.77	4.20	0.19	20.55		16.16	2.42	18.58	29.55	4.43	33.98
		300		10.68	1.77	4.20	0.19	16.84		12.45	1.87	14.32	25.84	3.88	29.72
50-59 HP	34200	400	10	8.65	1.77	4.20	0.19	14.81		10.42	1.56	11.98	23.81	3.57	27.39
		600	(D)	6.18	1.77	4.20	0.19	12.34	9.00	7.94	1.19	9.14	21.34	3.20	24.54
		800		5.02	1.77	4.20	0.19	11.18		6.79	1.02	7.80	20.18	3.03	23.21
		200		15.99	1.96	5.88	0.23	24.06		17.95	2.69	20.64	33.06	4.96	38.02
		300		11.87	1.96	5.88	0.23	19.94		13.83	2.07	15.91	28.94	4.34	33.28
60-69 HP	38000	400	14	9.62	1.96	5.88	0.23	17.69		11.58	1.74	13.32	26.69	4.00	30.69
		600	(D)	6.86	1.96	5.88	0.23	14.93	9.00	8.83	1.32	10.15	23.93	3.59	27.53
		800		5.58	1.96	5.88	0.23	13.65		7.54	1.13	8.67	22.65	3.40	26.05
		200		22.38	2.75	6.72	0.26	32.12		25.13	3.77	28.90	41.12	6.17	47.28
		300		16.62	2.75	6.72	0.26	26.35		19.36	2.90	22.27	35.35	5.30	40.65
70-79 HP	53200	400	16	13.46	2.75	6.72	0.26	23.19		16.21	2.43	18.64	32.19	4.83	37.02
		600	(D)	9.61	2.75	6.72	0.26	19.34	9.00	12.36	1.85	14.21	28.34	4.25	32.59
		800		7.81	2.75	6.72	0.26	17.54		10.56	1.58	12.14	26.54	3.98	30.52
		200		23.98	2.95	7.56	0.30	34.79		26.93	4.04	30.97	43.79	6.57	50.35
		300		17.80	2.95	7.56	0.30	28.60		20.75	3.11	23.86	37.60	5.64	43.25
80-89 HP	57000	400	18	14.42	2.95	7.56	0.30	25.23		17.37	2.61	19.97	34.23	5.13	39.36
		600	(D)	10.30	2.95	7.56	0.30	21.10	9.00	13.24	1.99	15.23	30.10	4.51	34.61
		800		8.37	2.95	7.56	0.30	19.17		11.31	1.70	13.01	28.17	4.23	32.39
		200		28.70	3.52	8.40	0.33	40.95		32.22	4.83	37.05	49.95	7.49	57.44
		300		21.30	3.52	8.40	0.33	33.56		24.82	3.72	28.55	42.56	6.38	48.94
90-99 HP	68200	400	20	17.26	3.52	8.40	0.33	29.51		20.78	3.12	23.90	38.51	5.78	44.29
		600	(D)	12.32	3.52	8.40	0.33	24.58	9.00	15.84	2.38	18.22	33.58	5.04	38.61
		800		10.01	3.52	8.40	0.33	22.27		13.53	2.03	15.56	31.27	4.69	35.96
		200		37.36	4.59	9.66	0.39	52.00		41.95	6.29	48.24	61.00	9.15	70.14
		300		27.73	4.59	9.66	0.39	42.37		32.32	4.85	37.17	51.37	7.71	59.07
100-119 HP	88800	400	23	22.47	4.59	9.66	0.39	37.10		27.06	4.06	31.12	46.10	6.92	53.02
		600	(D)	16.04	4.59	9.66	0.39	30.67	9.00	20.63	3.09	23.72	39.67	5.95	45.62
		800		13.03	4.59	9.66	0.39	27.67		17.62	2.64	20.26	36.67	5.50	42.17
		200		41.57	5.10	11.76	0.46	58.89		46.67	7.00	53.68	67.89	10.18	78.07
		300		30.86	5.10	11.76	0.46	48.18		35.96	5.39	41.36	57.18	8.58	65.75
120-139 HP	98800	400	28	25.00	5.10	11.76	0.46	42.32		30.11	4.52	34.62	51.32	7.70	59.02
		600	(D)	17.85	5.10	11.76	0.46	35.17	9.00	22.95	3.44	26.39	44.17	6.62	50.79
		800		14.50	5.10	11.76	0.46	31.82		19.60	2.94	22.55	40.82	6.12	46.94
		200		45.74	5.62	13.44	0.53	65.32		51.35	7.70	59.05	74.32	11.15	85.46
		300		33.95	5.62	13.44	0.53	53.53		39.57	5.93	45.50	62.53	9.38	71.91
140-159 HP	108700	400	32	27.51	5.62	13.44	0.53	47.09		33.12	4.97	38.09	56.09	8.41	64.50
		600	(D)	19.63	5.62	13.44	0.53	39.22	9.00	25.25	3.79	29.04	48.22	7.23	55.45
		800		15.95	5.62	13.44	0.53	35.53		21.57	3.24	24.80	44.53	6.68	51.21

NOTE: For MFWD add the following to the Custom Rate $/HR, for 30-99 HP add $0.04/HP/HR
for over 99HP add $0.03/HP/HR

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES		
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
TRACTORS 2WD continued (PTO-HP)															
		200		52.68	6.47	16.38	0.60	76.12		59.15	8.87	68.02	85.12	12.77	97.89
		300		39.10	6.47	16.38	0.60	62.55		45.57	6.84	52.41	71.55	10.73	82.28
160-179 HP	125200	400	39	31.68	6.47	16.38	0.60	55.13		38.15	5.72	43.87	64.13	9.62	73.74
		600	**(D)**	**22.62**	**6.47**	**16.38**	**0.60**	**46.06**	**9.00**	**29.08**	**4.36**	**33.45**	**55.06**	**8.26**	**63.32**
		800		18.37	6.47	16.38	0.60	41.82		24.84	3.73	28.57	50.82	7.62	58.44
		200		59.20	7.27	19.32	0.63	86.42		66.47	9.97	76.44	95.42	14.31	109.73
		300		43.94	7.27	19.32	0.63	71.16		51.21	7.68	58.89	80.16	12.02	92.19
180+ HP	140700	400	46	35.60	7.27	19.32	0.63	62.82		42.87	6.43	49.30	71.82	10.77	82.60
		600	**(D)**	**25.42**	**7.27**	**19.32**	**0.63**	**52.63**	**9.00**	**32.68**	**4.90**	**37.59**	**61.63**	**9.25**	**70.88**
		800		20.65	7.27	19.32	0.63	47.87		27.92	4.19	32.11	56.87	8.53	65.40
NOTE: For MFWD add the following to the Custom Rate $/HR, for 30-99 HP add $0.04/HP/HR for over 99HP add $0.03/HP/HR															
TRACTORS 4WD (Engine - HP)															
		200		40.22	4.14	14.70	0.42	59.49		44.37	6.65	51.02	68.49	10.27	78.76
		300		29.86	4.14	14.70	0.42	49.12		34.00	5.10	39.10	58.12	8.72	66.84
100-130 HP	95600	400	35	24.19	4.14	14.70	0.42	43.45		28.33	4.25	32.58	52.45	7.87	60.32
		600	**(D)**	**17.27**	**4.14**	**14.70**	**0.42**	**36.53**	**9.00**	**21.41**	**3.21**	**24.62**	**45.53**	**6.83**	**52.36**
		800		14.03	4.14	14.70	0.42	33.29		18.17	2.73	20.90	42.29	6.34	48.64
		200		67.87	6.99	17.22	0.96	93.04		74.86	11.23	86.09	102.04	15.31	117.35
		300		50.38	6.99	17.22	0.96	75.55		57.37	8.60	65.97	84.55	12.68	97.23
250-299 HP	161300	400	41	40.82	6.99	17.22	0.96	65.99		47.81	7.17	54.98	74.99	11.25	86.24
		600	**(D)**	**29.14**	**6.99**	**17.22**	**0.96**	**54.31**	**9.00**	**36.13**	**5.42**	**41.54**	**63.31**	**9.50**	**72.80**
		800		23.67	6.99	17.22	0.96	48.85		30.66	4.60	35.26	57.85	8.68	66.52
		200		78.72	8.11	19.32	1.14	107.29		86.83	13.02	99.85	116.29	17.44	133.73
		300		58.43	8.11	19.32	1.14	87.00		66.54	9.98	76.52	96.00	14.40	110.40
300-349 HP	187100	400	46	47.35	8.11	19.32	1.14	75.91		55.45	8.32	63.77	84.91	12.74	97.65
		600	**(D)**	**33.80**	**8.11**	**19.32**	**1.14**	**62.36**	**9.00**	**41.90**	**6.29**	**48.19**	**71.36**	**10.70**	**82.07**
		800		27.46	8.11	19.32	1.14	56.02		35.57	5.34	40.90	65.02	9.75	74.78
		200		85.45	8.80	21.00	1.31	116.57		94.26	14.14	108.39	125.57	18.84	144.40
		300		63.43	8.80	21.00	1.31	94.55		72.23	10.83	83.07	103.55	15.53	119.08
350-399 HP	203100	400	50	51.39	8.80	21.00	1.31	82.51		60.19	9.03	69.22	91.51	13.73	105.23
		600	**(D)**	**36.69**	**8.80**	**21.00**	**1.31**	**67.80**	**9.00**	**45.49**	**6.82**	**52.31**	**76.80**	**11.52**	**88.32**
		800		29.81	8.80	21.00	1.31	60.92		38.61	5.79	44.40	69.92	10.49	80.41
		200		93.95	9.68	23.52	1.44	128.59		103.63	15.54	119.17	137.59	20.64	158.23
		300		69.74	9.68	23.52	1.44	104.38		79.42	11.91	91.33	113.38	17.01	130.39
400-425 HP	223300	400	56	56.51	9.68	23.52	1.44	91.14		66.18	9.93	76.11	100.14	15.02	115.17
		600	**(D)**	**40.34**	**9.68**	**23.52**	**1.44**	**74.97**	**9.00**	**50.01**	**7.50**	**57.51**	**83.97**	**12.60**	**96.57**
		800		32.77	9.68	23.52	1.44	67.41		42.45	6.37	48.82	76.41	11.46	87.87
		200		106.91	11.01	26.46	1.58	145.96		117.92	17.69	135.61	154.96	23.24	178.20
		300		79.36	11.01	26.46	1.58	118.41		90.37	13.56	103.93	127.41	19.11	146.52
430+ HP	254100	400	63	64.30	11.01	26.46	1.58	103.35		75.31	11.30	86.61	112.35	16.85	129.20
		600	**(D)**	**45.90**	**11.01**	**26.46**	**1.58**	**84.95**	**9.00**	**56.91**	**8.54**	**65.45**	**93.95**	**14.09**	**108.04**
		800		37.29	11.01	26.46	1.58	76.34		48.30	7.25	55.55	85.34	12.80	98.14

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES		
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
TRUCKS															
GRAIN															
TON	42400	100	18	44.87	7.07	10.98	0.42	63.33		51.93	7.79	59.72	72.33	10.85	83.18
		150	(G)	32.27	7.07	10.98	0.42	50.73	9.00	39.33	5.90	45.23	59.73	8.96	68.69
		200		25.65	7.07	10.98	0.42	44.11		32.71	4.91	37.62	53.11	7.97	61.08
TON	71100	100	23	75.24	11.85	9.66	0.42	97.17		87.09	13.06	100.15	106.17	15.92	122.09
		150	(D)	54.11	11.85	9.66	0.42	76.04	9.00	65.96	9.89	75.85	85.04	12.76	97.79
		200		43.00	11.85	9.66	0.42	64.93		54.85	8.23	63.08	73.93	11.09	85.02
TON	92700	100	27	98.09	15.45	11.34	0.88	125.76		113.54	17.03	130.57	134.76	20.21	154.97
TANDEM		150	(D)	70.54	15.45	11.34	0.88	98.21	9.00	85.99	12.90	98.89	107.21	16.08	123.29
DIESEL		200		56.07	15.45	11.34	0.88	83.73		71.52	10.73	82.25	92.73	13.91	106.64
TRUCKS															
PICK-UP															
1/2 TON	28800	200	14	17.98	3.57	8.54	0.35	30.44		21.55	3.23	24.78	39.44	5.92	45.36
		250	(G)	14.88	3.57	8.54	0.35	27.34	9.00	18.45	2.77	21.22	36.34	5.45	41.79
		300		12.85	3.57	8.54	0.35	25.31		16.42	2.46	18.89	34.31	5.15	39.46
1/4 TON	32400	200	16	20.23	4.02	9.76	0.35	34.36		24.25	3.64	27.88	43.36	6.50	49.86
		250	(G)	16.74	4.02	9.76	0.35	30.87	9.00	20.76	3.11	23.87	39.87	5.98	45.85
		300		14.46	4.02	9.76	0.35	28.59		18.48	2.77	21.25	37.59	5.64	43.23

T trucks were priced with cab and chassis only
IT and 4T trucks were priced with grain box, hoist and roll tarp
See Appendix A for custom grain hauling for seeding and harvesting

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES		
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
TRACTORS 2WD continued (PTO-HP)															
		200		52.68	6.47	16.38	0.60	76.12		59.15	8.87	68.02	85.12	12.77	97.89
		300		39.10	6.47	16.38	0.60	62.55		45.57	6.84	52.41	71.55	10.73	82.28
160-179 HP	125200	400	39	31.68	6.47	16.38	0.60	55.13		38.15	5.72	43.87	64.13	9.62	73.74
		600	**(D)**	**22.62**	**6.47**	**16.38**	**0.60**	**46.06**	**9.00**	**29.08**	**4.36**	**33.45**	**55.06**	**8.26**	**63.32**
		800		18.37	6.47	16.38	0.60	41.82		24.84	3.73	28.57	50.82	7.62	58.44
		200		59.20	7.27	19.32	0.63	86.42		66.47	9.97	76.44	95.42	14.31	109.73
		300		43.94	7.27	19.32	0.63	71.16		51.21	7.68	58.89	80.16	12.02	92.19
180+ HP	140700	400	46	35.60	7.27	19.32	0.63	62.82		42.87	6.43	49.30	71.82	10.77	82.60
		600	**(D)**	**25.42**	**7.27**	**19.32**	**0.63**	**52.63**	**9.00**	**32.68**	**4.90**	**37.59**	**61.63**	**9.25**	**70.88**
		800		20.65	7.27	19.32	0.63	47.87		27.92	4.19	32.11	56.87	8.53	65.40
NOTE: For MFWD add the following to the Custom Rate $/HR, for 30-99 HP add $0.04/HP/HR for over 99HP add $0.03/HP/HR															
TRACTORS 4WD (Engine - HP)															
		200		40.22	4.14	14.70	0.42	59.49		44.37	6.65	51.02	68.49	10.27	78.76
		300		29.86	4.14	14.70	0.42	49.12		34.00	5.10	39.10	58.12	8.72	66.84
100-130 HP	95600	400	35	24.19	4.14	14.70	0.42	43.45		28.33	4.25	32.58	52.45	7.87	60.32
		600	**(D)**	**17.27**	**4.14**	**14.70**	**0.42**	**36.53**	**9.00**	**21.41**	**3.21**	**24.62**	**45.53**	**6.83**	**52.36**
		800		14.03	4.14	14.70	0.42	33.29		18.17	2.73	20.90	42.29	6.34	48.64
		200		67.87	6.99	17.22	0.96	93.04		74.86	11.23	86.09	102.04	15.31	117.35
		300		50.38	6.99	17.22	0.96	75.55		57.37	8.60	65.97	84.55	12.68	97.23
250-299 HP	161300	400	41	40.82	6.99	17.22	0.96	65.99		47.81	7.17	54.98	74.99	11.25	86.24
		600	**(D)**	**29.14**	**6.99**	**17.22**	**0.96**	**54.31**	**9.00**	**36.13**	**5.42**	**41.54**	**63.31**	**9.50**	**72.80**
		800		23.67	6.99	17.22	0.96	48.85		30.66	4.60	35.26	57.85	8.68	66.52
		200		78.72	8.11	19.32	1.14	107.29		86.83	13.02	99.85	116.29	17.44	133.73
		300		58.43	8.11	19.32	1.14	87.00		66.54	9.98	76.52	96.00	14.40	110.40
300-349 HP	187100	400	46	47.35	8.11	19.32	1.14	75.91		55.45	8.32	63.77	84.91	12.74	97.65
		600	**(D)**	**33.80**	**8.11**	**19.32**	**1.14**	**62.36**	**9.00**	**41.90**	**6.29**	**48.19**	**71.36**	**10.70**	**82.07**
		800		27.46	8.11	19.32	1.14	56.02		35.57	5.34	40.90	65.02	9.75	74.78
		200		85.45	8.80	21.00	1.31	116.57		94.26	14.14	108.39	125.57	18.84	144.40
		300		63.43	8.80	21.00	1.31	94.55		72.23	10.83	83.07	103.55	15.53	119.08
350-399 HP	203100	400	50	51.39	8.80	21.00	1.31	82.51		60.19	9.03	69.22	91.51	13.73	105.23
		600	**(D)**	**36.69**	**8.80**	**21.00**	**1.31**	**67.80**	**9.00**	**45.49**	**6.82**	**52.31**	**76.80**	**11.52**	**88.32**
		800		29.81	8.80	21.00	1.31	60.92		38.61	5.79	44.40	69.92	10.49	80.41
		200		93.95	9.68	23.52	1.44	128.59		103.63	15.54	119.17	137.59	20.64	158.23
		300		69.74	9.68	23.52	1.44	104.38		79.42	11.91	91.33	113.38	17.01	130.39
400-425 HP	223300	400	56	56.51	9.68	23.52	1.44	91.14		66.18	9.93	76.11	100.14	15.02	115.17
		600	**(D)**	**40.34**	**9.68**	**23.52**	**1.44**	**74.97**	**9.00**	**50.01**	**7.50**	**57.51**	**83.97**	**12.60**	**96.57**
		800		32.77	9.68	23.52	1.44	67.41		42.45	6.37	48.82	76.41	11.46	87.87
		200		106.91	11.01	26.46	1.58	145.96		117.92	17.69	135.61	154.96	23.24	178.20
		300		79.36	11.01	26.46	1.58	118.41		90.37	13.56	103.93	127.41	19.11	146.52
430+ HP	254100	400	63	64.30	11.01	26.46	1.58	103.35		75.31	11.30	86.61	112.35	16.85	129.20
		600	**(D)**	**45.90**	**11.01**	**26.46**	**1.58**	**84.95**	**9.00**	**56.91**	**8.54**	**65.45**	**93.95**	**14.09**	**108.04**
		800		37.29	11.01	26.46	1.58	76.34		48.30	7.25	55.55	85.34	12.80	98.14

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES		
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
TRUCKS															
GRAIN															
TON	42400	100	18	44.87	7.07	10.98	0.42	63.33		51.93	7.79	59.72	72.33	10.85	83.18
		150	(G)	32.27	7.07	10.98	0.42	50.73	9.00	39.33	5.90	45.23	59.73	8.96	68.69
		200		25.65	7.07	10.98	0.42	44.11		32.71	4.91	37.62	53.11	7.97	61.08
TON	71100	100	23	75.24	11.85	9.66	0.42	97.17		87.09	13.06	100.15	106.17	15.92	122.09
		150	(D)	54.11	11.85	9.66	0.42	76.04	9.00	65.96	9.89	75.85	85.04	12.76	97.79
		200		43.00	11.85	9.66	0.42	64.93		54.85	8.23	63.08	73.93	11.09	85.02
TON	92700	100	27	98.09	15.45	11.34	0.88	125.76		113.54	17.03	130.57	134.76	20.21	154.97
TANDEM		150	(D)	70.54	15.45	11.34	0.88	98.21	9.00	85.99	12.90	98.89	107.21	16.08	123.29
DIESEL		200		56.07	15.45	11.34	0.88	83.73		71.52	10.73	82.25	92.73	13.91	106.64
T trucks were priced with cab and chassis only															
IT and 4T trucks were priced with grain box, hoist and roll tarp															
See Appendix A for custom grain hauling for seeding and harvesting															
TRUCKS															
PICK-UP															
/2 TON	28800	200	14	17.98	3.57	8.54	0.35	30.44		21.55	3.23	24.78	39.44	5.92	45.36
		250	(G)	14.88	3.57	8.54	0.35	27.34	9.00	18.45	2.77	21.22	36.34	5.45	41.79
		300		12.85	3.57	8.54	0.35	25.31		16.42	2.46	18.89	34.31	5.15	39.46
4 TON	32400	200	16	20.23	4.02	9.76	0.35	34.36		24.25	3.64	27.88	43.36	6.50	49.86
		250	(G)	16.74	4.02	9.76	0.35	30.87	9.00	20.76	3.11	23.87	39.87	5.98	45.85
		300		14.46	4.02	9.76	0.35	28.59		18.48	2.77	21.25	37.59	5.64	43.23

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
AIR DISK DRILLS, ZERO TILL *																$/AC
30-35 FT	104500	100	96.24	20.90	117.14	117.14	17.57	134.71	117.14			172.19	25.83	198.02		16.50
		150	69.07	20.90	89.97	89.97	13.50	103.47	89.97	46.06	9.00	145.03	21.76	166.79	12.0	13.90
		200	55.29	20.90	76.19	76.19	11.43	87.62	76.19	170 HP		131.25	19.69	150.94	AC/HR	12.58
36-40 FT	112800	100	103.88	22.56	126.44	126.44	18.97	145.40	126.44			188.07	28.21	216.28		16.02
		150	74.56	22.56	97.12	97.12	14.57	111.69	97.12	52.63	9.00	158.76	23.81	182.57	13.5	13.52
		200	59.68	22.56	82.24	82.24	12.34	94.58	82.24	185 HP		143.88	21.58	165.46	AC/HR	12.26
41-45 FT	132000	100	121.56	26.40	147.96	147.96	22.19	170.15	147.96			211.27	31.69	242.96		15.18
		150	87.25	26.40	113.65	113.65	17.05	130.70	113.65	54.31	9.00	176.96	26.54	203.50	16.0	12.72
		200	69.84	26.40	96.24	96.24	14.44	110.67	96.24	275 HP		159.55	23.93	183.48	AC/HR	11.47
					Average Rental Rate per Acre			8.35					Average Custom Rate per Acre			13.38
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
AIR HOE DRILLS, ZERO TILL*																$/AC
30-35 FT	76600	100	70.54	15.32	85.86	85.86	12.88	98.74	85.86			149.17	22.38	171.55		13.72
		150	50.63	15.32	65.95	65.95	9.89	75.85	65.95	54.31	9.00	129.26	19.39	148.65	12.5	11.89
		200	40.53	15.32	55.85	55.85	8.38	64.22	55.85	250 HP		119.16	17.87	137.03	AC/HR	10.96
36-40 FT	87500	100	80.58	17.50	98.08	98.08	14.71	112.79	98.08			161.39	24.21	185.60		13.26
		150	57.84	17.50	75.34	75.34	11.30	86.64	75.34	54.31	9.00	138.65	20.80	159.44	14.0	11.39
		200	46.29	17.50	63.79	63.79	9.57	73.36	63.79	275 HP		127.10	19.07	146.17	AC/HR	10.44
41-45 FT	101600	100	93.56	20.32	113.88	113.88	17.08	130.97	113.88			185.25	27.79	213.03		13.31
		150	67.16	20.32	87.48	87.48	13.12	100.60	87.48	62.36	9.00	158.84	23.83	182.67	16.0	11.42
		200	53.75	20.32	74.07	74.07	11.11	85.19	74.07	300 HP		145.44	21.82	167.25	AC/HR	10.45
46-50 FT	105300	100	96.97	21.06	118.03	118.03	17.70	135.74	118.03			189.39	28.41	217.80		12.10
		150	69.60	21.06	90.66	90.66	13.60	104.26	90.66	62.36	9.00	162.03	24.30	186.33	18.0	10.35
		200	55.71	21.06	76.77	76.77	11.52	88.29	76.77	325 HP		148.13	22.22	170.35	AC/HR	9.46
51-55 FT	120600	100	111.06	24.12	135.18	135.18	20.28	155.46	135.18			211.98	31.80	243.78		12.19
		150	79.72	24.12	103.84	103.84	15.58	119.41	103.84	67.80	9.00	180.64	27.10	207.73	20.0	10.39
		200	63.81	24.12	87.93	87.93	13.19	101.12	87.93	350 HP		164.73	24.71	189.44	AC/HR	9.47
					Average Rental Rate per Acre			6.06					Average Custom Rate per Acre			11.09
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																

* See introduction for the classification of Air Drills, Air Seeders and Zero Till Drills

**All airdrills have been priced with an air tank of varying capacity respective to the implement's seeding width.

DRAWN EQUIPMENT - GRAIN

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
AIR SEEDERS, MINIMUM TILL *																$/AC
24-25 FT	58300	100	53.69	11.66	65.35	65.35	9.80	75.15	65.35			113.57	17.03	130.60		11.87
		150	38.54	11.66	50.20	50.20	7.53	57.73	50.20	39.22	9.00	98.41	14.76	113.17	11.0	10.29
		200	30.85	11.66	42.51	42.51	6.38	48.88	42.51	150 HP		90.72	13.61	104.33	AC/HR	9.48
28-30 FT	68300	100	62.90	13.66	76.56	76.56	11.48	88.04	76.56			131.62	19.74	151.36		11.21
		150	45.15	13.66	58.81	58.81	8.82	67.63	58.81	46.06	9.00	113.87	17.08	130.95	13.5	9.70
		200	36.14	13.66	49.80	49.80	7.47	57.27	49.80	170 HP		104.86	15.73	120.58	AC/HR	8.93
34-35 FT	76400	100	70.36	15.28	85.64	85.64	12.85	98.48	85.64			148.95	22.34	171.29		10.71
		150	50.50	15.28	65.78	65.78	9.87	75.65	65.78	54.31	9.00	129.09	19.36	148.45	16.0	9.28
		200	40.42	15.28	55.70	55.70	8.36	64.06	55.70	275 HP		119.01	17.85	136.86	AC/HR	8.55
40-41 FT	81900	100	75.42	16.38	91.80	91.80	13.77	105.57	91.80			155.11	23.27	178.38		9.64
		150	54.14	16.38	70.52	70.52	10.58	81.09	70.52	54.31	9.00	133.82	20.07	153.90	18.5	8.32
		200	43.33	16.38	59.71	59.71	8.96	68.67	59.71	275 HP		123.02	18.45	141.47	AC/HR	7.65
46-47 FT	91200	100	83.99	18.24	102.23	102.23	15.33	117.56	102.23			173.59	26.04	199.63		9.28
		150	60.28	18.24	78.52	78.52	11.78	90.30	78.52	62.36	9.00	149.89	22.48	172.37	21.5	8.02
		200	48.25	18.24	66.49	66.49	9.97	76.47	66.49	325 HP		137.85	20.68	158.53	AC/HR	7.37
50-55 FT	95600	100	88.04	19.12	107.16	107.16	16.07	123.23	107.16			191.13	28.67	219.80		9.16
		150	63.19	19.12	82.31	82.31	12.35	94.66	82.31	74.97	9.00	166.29	24.94	191.23	24.0	7.97
		200	50.58	19.12	69.70	69.70	10.46	80.16	69.70	400 HP		153.67	23.05	176.73	AC/HR	7.36
					Average Rental Rate per Acre			4.59				Average Custom Rate per Acre				8.93

Note: If equipped with mounted harrows add $0.46/AC
: If equipped with tow behind packers add $2.39/AC

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
AIR SEEDERS, ZERO TILL *																$/AC
24-25 FT	63700	100	58.66	12.74	71.40	71.40	10.71	82.11	71.40			119.62	17.94	137.56		15.28
		150	42.11	12.74	54.85	54.85	8.23	63.07	54.85	39.22	9.00	103.06	15.46	118.52	9.0	13.17
		200	33.70	12.74	46.44	46.44	6.97	53.41	46.44	150 HP		94.66	14.20	108.86	AC/HR	12.10
28-30 FT	75300	100	69.34	15.06	84.40	84.40	12.66	97.07	84.40			139.46	20.92	160.38		14.58
		150	49.77	15.06	64.83	64.83	9.72	74.56	64.83	46.06	9.00	119.89	17.98	137.88	11.0	12.53
		200	39.84	15.06	54.90	54.90	8.23	63.13	54.90	170 HP		109.96	16.49	126.45	AC/HR	11.50
34-35 FT	87000	100	80.12	17.40	97.52	97.52	14.63	112.15	97.52			160.83	24.12	184.95		14.23
		150	57.51	17.40	74.91	74.91	11.24	86.14	74.91	54.31	9.00	138.22	20.73	158.95	13.0	12.23
		200	46.03	17.40	63.43	63.43	9.51	72.94	63.43	275 HP		126.74	19.01	145.75	AC/HR	11.21
40-41 FT	91000	100	83.80	18.20	102.00	102.00	15.30	117.30	102.00			165.31	24.80	190.11		12.67
		150	60.15	18.20	78.35	78.35	11.75	90.10	78.35	54.31	9.00	141.66	21.25	162.91	15.0	10.86
		200	48.15	18.20	66.35	66.35	9.95	76.30	66.35	275 HP		129.66	19.45	149.10	AC/HR	9.94
46-47 FT	102800	100	94.67	20.56	115.23	115.23	17.28	132.51	115.23			186.59	27.99	214.58		12.26
		150	67.95	20.56	88.51	88.51	13.28	101.79	88.51	62.36	9.00	159.87	23.98	183.85	17.5	10.51
		200	54.39	20.56	74.95	74.95	11.24	86.19	74.95	325 HP		146.31	21.95	168.26	AC/HR	9.61
50-55 FT	108900	100	100.29	21.78	122.07	122.07	18.31	140.38	122.07			206.04	30.91	236.95		11.85
		150	71.98	21.78	93.76	93.76	14.06	107.83	93.76	74.97	9.00	177.74	26.66	204.40	20.0	10.22
		200	57.62	21.78	79.40	79.40	11.91	91.31	79.40	400 HP		163.37	24.51	187.88	AC/HR	9.39
					Average Rental Rate per Acre			6.27				Average Custom Rate per Acre				11.59

NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates

* See introduction for the classification of Air Drills, Air Seeders and Zero Till Drills

**All airseeders have been priced with an air tank of varying capacity respective to the implement's seeding width.

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
AIR DISK DRILLS, ZERO TILL *																$/AC
30-35 FT	104500	100	96.24	20.90	117.14	117.14	17.57	134.71	117.14			172.19	25.83	198.02		16.50
		150	69.07	20.90	89.97	89.97	13.50	103.47	89.97	46.06	9.00	145.03	21.76	166.79	12.0	13.90
		200	55.29	20.90	76.19	76.19	11.43	87.62	76.19	170 HP		131.25	19.69	150.94	AC/HR	12.58
36-40 FT	112800	100	103.88	22.56	126.44	126.44	18.97	145.40	126.44			188.07	28.21	216.28		16.02
		150	74.56	22.56	97.12	97.12	14.57	111.69	97.12	52.63	9.00	158.76	23.81	182.57	13.5	13.52
		200	59.68	22.56	82.24	82.24	12.34	94.58	82.24	185 HP		143.88	21.58	165.46	AC/HR	12.26
41-45 FT	132000	100	121.56	26.40	147.96	147.96	22.19	170.15	147.96			211.27	31.69	242.96		15.18
		150	87.25	26.40	113.65	113.65	17.05	130.70	113.65	54.31	9.00	176.96	26.54	203.50	16.0	12.72
		200	69.84	26.40	96.24	96.24	14.44	110.67	96.24	275 HP		159.55	23.93	183.48	AC/HR	11.47
					Average Rental Rate per Acre			8.35					Average Custom Rate per Acre			13.38
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
AIR HOE DRILLS, ZERO TILL*																$/AC
30-35 FT	76600	100	70.54	15.32	85.86	85.86	12.88	98.74	85.86			149.17	22.38	171.55		13.72
		150	50.63	15.32	65.95	65.95	9.89	75.85	65.95	54.31	9.00	129.26	19.39	148.65	12.5	11.89
		200	40.53	15.32	55.85	55.85	8.38	64.22	55.85	250 HP		119.16	17.87	137.03	AC/HR	10.96
36-40 FT	87500	100	80.58	17.50	98.08	98.08	14.71	112.79	98.08			161.39	24.21	185.60		13.26
		150	57.84	17.50	75.34	75.34	11.30	86.64	75.34	54.31	9.00	138.65	20.80	159.44	14.0	11.39
		200	46.29	17.50	63.79	63.79	9.57	73.36	63.79	275 HP		127.10	19.07	146.17	AC/HR	10.44
41-45 FT	101600	100	93.56	20.32	113.88	113.88	17.08	130.97	113.88			185.25	27.79	213.03		13.31
		150	67.16	20.32	87.48	87.48	13.12	100.60	87.48	62.36	9.00	158.84	23.83	182.67	16.0	11.42
		200	53.75	20.32	74.07	74.07	11.11	85.19	74.07	300 HP		145.44	21.82	167.25	AC/HR	10.45
46-50 FT	105300	100	96.97	21.06	118.03	118.03	17.70	135.74	118.03			189.39	28.41	217.80		12.10
		150	69.60	21.06	90.66	90.66	13.60	104.26	90.66	62.36	9.00	162.03	24.30	186.33	18.0	10.35
		200	55.71	21.06	76.77	76.77	11.52	88.29	76.77	325 HP		148.13	22.22	170.35	AC/HR	9.46
51-55 FT	120600	100	111.06	24.12	135.18	135.18	20.28	155.46	135.18			211.98	31.80	243.78		12.19
		150	79.72	24.12	103.84	103.84	15.58	119.41	103.84	67.80	9.00	180.64	27.10	207.73	20.0	10.39
		200	63.81	24.12	87.93	87.93	13.19	101.12	87.93	350 HP		164.73	24.71	189.44	AC/HR	9.47
					Average Rental Rate per Acre			6.06					Average Custom Rate per Acre			11.09
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																

* See introduction for the classification of Air Drills, Air Seeders and Zero Till Drills

**All airdrills have been priced with an air tank of varying capacity respective to the implement's seeding width.

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR	TOTAL COST NO LABOUR $/HR	BASIC RENTAL COST $/HR	MARGIN $/HR	RENTAL RATE /HR	TOTAL MACHINE COSTS $/HR	POWER UNIT COST $/HR	LAB. COST $/HR	BASIC CUSTOM WORK RATES $/HR	MARGIN $/HR	CUSTOM RATE $/HR	WORK RATE	CALC. CUSTOM RATE
AIR SEEDERS MINIMUM TILL *																$/AC
24-25 FT	58300	100	53.69	11.66	65.35	65.35	9.80	75.15	65.35			113.57	17.03	130.60		11.87
		150	38.54	11.66	50.20	50.20	7.53	57.73	50.20	39.22	9.00	98.41	14.76	113.17	11.0	10.29
		200	30.85	11.66	42.51	42.51	6.38	48.88	42.51	150 HP		90.72	13.61	104.33	AC/HR	9.48
28-30 FT	68300	100	62.90	13.66	76.56	76.56	11.48	88.04	76.56			131.62	19.74	151.36		11.21
		150	45.15	13.66	58.81	58.81	8.82	67.63	58.81	46.06	9.00	113.87	17.08	130.95	13.5	9.70
		200	36.14	13.66	49.80	49.80	7.47	57.27	49.80	170 HP		104.86	15.73	120.58	AC/HR	8.93
34-35 FT	76400	100	70.36	15.28	85.64	85.64	12.85	98.48	85.64			148.95	22.34	171.29		10.71
		150	50.50	15.28	65.78	65.78	9.87	75.65	65.78	54.31	9.00	129.09	19.36	148.45	16.0	9.28
		200	40.42	15.28	55.70	55.70	8.36	64.06	55.70	275 HP		119.01	17.85	136.86	AC/HR	8.55
40-41 FT	81900	100	75.42	16.38	91.80	91.80	13.77	105.57	91.80			155.11	23.27	178.38		9.64
		150	54.14	16.38	70.52	70.52	10.58	81.09	70.52	54.31	9.00	133.82	20.07	153.90	18.5	8.32
		200	43.33	16.38	59.71	59.71	8.96	68.67	59.71	275 HP		123.02	18.45	141.47	AC/HR	7.65
46-47 FT	91200	100	83.99	18.24	102.23	102.23	15.33	117.56	102.23			173.59	26.04	199.63		9.28
		150	60.28	18.24	78.52	78.52	11.78	90.30	78.52	62.36	9.00	149.89	22.48	172.37	21.5	8.02
		200	48.25	18.24	66.49	66.49	9.97	76.47	66.49	325 HP		137.85	20.68	158.53	AC/HR	7.37
50-55 FT	95600	100	88.04	19.12	107.16	107.16	16.07	123.23	107.16			191.13	28.67	219.80		9.16
		150	63.19	19.12	82.31	82.31	12.35	94.66	82.31	74.97	9.00	166.29	24.94	191.23	24.0	7.97
		200	50.58	19.12	69.70	69.70	10.46	80.16	69.70	400 HP		153.67	23.05	176.73	AC/HR	7.36
				Average Rental Rate per Acre				4.59				Average Custom Rate per Acre				8.93

Note: If equipped with mounted harrows add $0.46 AC
If equipped with tow behind packers add $2.39 AC

AIR SEEDERS ZERO TILL *																$/AC
24-25 FT	63700	100	58.66	12.74	71.40	71.40	10.71	82.11	71.40			119.62	17.94	137.56		15.28
		150	42.11	12.74	54.85	54.85	8.23	63.07	54.85	39.22	9.00	103.06	15.46	118.52	9.0	13.17
		200	33.70	12.74	46.44	46.44	6.97	53.41	46.44	150 HP		94.66	14.20	108.86	AC/HR	12.10
28-30 FT	73300	100	69.34	15.06	84.40	84.40	12.66	97.07	84.40			139.46	20.92	160.38		14.58
		150	49.77	15.06	64.83	64.83	9.72	74.56	64.83	46.06	9.00	119.89	17.98	137.88	11.0	12.53
		200	39.84	15.06	54.90	54.90	8.23	63.13	54.90	170 HP		109.96	16.49	126.45	AC/HR	11.50
34-35 FT	87000	100	80.12	17.40	97.52	97.52	14.63	112.15	97.52			160.83	24.12	184.95		14.23
		150	57.51	17.40	74.91	74.91	11.24	86.14	74.91	54.31	9.00	138.22	20.73	158.95	13.0	12.23
		200	46.03	17.40	63.43	63.43	9.51	72.94	63.43	275 HP		126.74	19.01	145.75	AC/HR	11.21
40-41 FT	91000	100	83.60	18.20	102.00	102.00	15.30	117.30	102.00			165.31	24.80	190.11		12.67
		150	60.15	18.20	78.35	78.35	11.75	90.10	78.35	54.31	9.00	141.66	21.25	162.91	15.0	10.86
		200	48.15	18.20	66.35	66.35	9.95	76.30	66.35	275 HP		129.66	19.45	149.10	AC/HR	9.94
46-47 FT	102800	100	94.67	20.56	115.23	115.23	17.28	132.51	115.23			186.59	27.99	214.58		12.26
		150	67.95	20.56	88.51	88.51	13.28	101.79	88.51	62.36	9.00	159.87	23.98	183.85	17.5	10.51
		200	54.39	20.56	74.95	74.95	11.24	86.19	74.95	325 HP		146.31	21.95	168.26	AC/HR	9.61
50-55 FT	108900	100	100.29	21.78	122.07	122.07	18.31	140.38	122.07			206.04	30.91	236.95		11.85
		150	71.98	21.78	93.76	93.76	14.06	107.83	93.76	74.97	9.00	177.74	26.66	204.40	20.0	10.22
		200	57.62	21.78	79.40	79.40	11.91	91.31	79.40	400 HP		163.37	24.51	187.88	AC/HR	9.39
				Average Rental Rate per Acre				6.27				Average Custom Rate per Acre				11.59

NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates

* See introduction for the classification of Air Drills, Air Seeders and Zero Till Drills

**All airseeders have been priced with an air tank of varying capacity respective to the implement's seeding width

DRAWN EQUIPMENT - GRAIN

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
ANHYDROUS AMMONIA APPLICATORS, 1600 GAL TANK & HD CULTIVATOR																$/AC
25 FT	39500	150	23.85	8.69	32.54	32.54	4.88	37.42	32.54			80.76	12.11	92.87		8.08
		250	15.67	8.69	24.36	24.36	3.65	28.01	24.36	39.22	9.00	72.57	10.89	83.46	11.5	7.26
		350	12.23	8.69	20.92	20.92	3.14	24.06	20.92	150 HP		69.14	10.37	79.51	AC/HR	6.91
36 FT	50500	150	30.49	11.11	41.60	41.60	6.24	47.85	41.60			104.91	15.74	120.65		7.31
		250	20.03	11.11	31.14	31.14	4.67	35.81	31.14	54.31	9.00	94.45	14.17	108.61	16.5	6.58
		350	15.64	11.11	26.75	26.75	4.01	30.76	26.75	250 HP		90.06	13.51	103.56	AC/HR	6.28
48 FT	65000	150	39.25	14.30	53.55	53.55	8.03	61.58	53.55			116.86	17.53	134.39		6.11
		250	25.78	14.30	40.08	40.08	6.01	46.09	40.08	54.31	9.00	103.39	15.51	118.90	22.0	5.40
		350	20.13	14.30	34.43	34.43	5.16	39.59	34.43	275 HP		97.74	14.66	112.40	AC/HR	5.11
					Average Rental Rate per Acre			2.23					Average Custom Rate per Acre			6.41

COMBINES, PTO

There are currently no new pull type combines being sold in Saskatchewan and as a result PTO combines have been removed from the Farm Machinery Custom and Rental Rate Guide. 1993 was the last year PTO combines were included in the guide. In 1993 the medium size PTO combine custom rate was $13.08 per acre. In the ten years from 1984 to 1993 the PTO combine custom rate averaged 98% of the self propelled combine custom rate. To calculate the PTO custom combine rate multiply the SP custom combine rate by .98. For 2002, 98% of the SP combine custom rate is $18.66 per acre.

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS FIELD																$/AC
14-15 FT	14000	150	8.45	3.08	11.53	11.53	1.73	13.26	11.53			35.47	5.32	40.79		5.44
		250	5.55	3.08	8.63	8.63	1.29	9.93	8.63	14.93	9.00	32.57	4.89	37.45	7.5	4.99
		350	4.34	3.08	7.42	7.42	1.11	8.53	7.42	65 HP		31.35	4.70	36.05	AC/HR	4.81
20-21 FT	17000	150	10.27	3.74	14.01	14.01	2.10	16.11	14.01			44.10	6.62	50.72		5.07
		250	6.74	3.74	10.48	10.48	1.57	12.05	10.48	21.10	9.00	40.58	6.09	46.67	10.0	4.67
		350	5.26	3.74	9.00	9.00	1.35	10.35	9.00	85 HP		39.10	5.87	44.97	AC/HR	4.50
25-27FT	19400	150	11.71	4.27	15.98	15.98	2.40	18.38	15.98			55.66	8.35	64.00		4.74
		250	7.69	4.27	11.96	11.96	1.79	13.76	11.96	30.67	9.00	51.64	7.75	59.38	13.5	4.40
		350	6.01	4.27	10.28	10.28	1.54	11.82	10.28	110 HP		49.95	7.49	57.44	AC/HR	4.25
33-34 FT	23300	150	14.07	5.13	19.20	19.20	2.88	22.08	19.20			67.41	10.11	77.52		4.70
		250	9.24	5.13	14.37	14.37	2.16	16.52	14.37	39.22	9.00	62.58	9.39	71.97	16.5	4.36
		350	7.22	5.13	12.34	12.34	1.85	14.19	12.34	150 HP		60.56	9.08	69.64	AC/HR	4.22
41-45 FT	33400	150	20.17	7.35	27.52	27.52	4.13	31.64	27.52			89.15	13.37	102.52		4.77
		250	13.25	7.35	20.59	20.59	3.09	23.68	20.59	52.63	9.00	82.23	12.33	94.56	21.5	4.40
		350	10.34	7.35	17.69	17.69	2.65	20.34	17.69	180 HP		79.33	11.90	91.22	AC/HR	4.24
46-50 FT	45400	150	27.42	9.99	37.40	37.40	5.61	43.01	37.40			100.71	15.11	115.82		4.83
		250	18.01	9.99	27.99	27.99	4.20	32.19	27.99	54.31	9.00	91.30	13.70	105.00	24.0	4.37
		350	14.06	9.99	24.05	24.05	3.61	27.65	24.05	275 HP		87.36	13.10	100.46	AC/HR	4.19
51-55 FT	46800	150	28.26	10.30	38.56	38.56	5.78	44.34	38.56			109.92	16.49	126.41		4.77
		250	18.56	10.30	28.86	28.86	4.33	33.19	28.86	62.36	9.00	100.22	15.03	115.25	26.5	4.35
		350	14.49	10.30	24.79	24.79	3.72	28.51	24.79	325 HP		96.15	14.42	110.57	AC/HR	4.17
56-60 FT	53400	150	32.25	11.75	43.99	43.99	6.60	50.59	43.99			115.36	17.30	132.66		4.57
		250	21.18	11.75	32.93	32.93	4.94	37.87	32.93	62.36	9.00	104.29	15.64	119.93	29.0	4.14
		350	16.54	11.75	28.28	28.28	4.24	32.53	28.28	325 HP		99.65	14.95	114.59	AC/HR	3.95
					Average Rental Rate per Acre			1.19					Average Custom Rate per Acre			4.46

Note: If equipped with mounted harrows add $0.46/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR	REPAIR COST $/HR	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS HEAVY DUTY																$/AC
18-20 FT	18900	150	11.41	4.16	15.57	15.57	2.34	17.91	15.57			45.67	6.85	52.52		5.53
		250	7.50	4.16	11.65	11.65	1.75	13.40	11.65	21.10	9.00	41.75	6.26	48.02	9.5	5.05
		350	5.85	4.16	10.01	10.01	1.50	11.51	10.01	85 HP		40.11	6.02	46.13	AC/HR	4.86
21-22 FT	20500	150	12.38	4.51	16.89	16.89	2.53	19.42	16.89			56.56	8.48	65.05		5.91
		250	8.13	4.51	12.64	12.64	1.90	14.54	12.64	30.67	9.00	52.31	7.85	60.16	11.0	5.47
		350	6.35	4.51	10.86	10.86	1.63	12.49	10.86	110 HP		50.53	7.58	58.11	AC/HR	5.28
23-25 FT	24200	150	14.61	5.32	19.94	19.94	2.99	22.93	19.94			59.61	8.94	68.55		5.71
		250	9.60	5.32	14.92	14.92	2.24	17.16	14.92	30.67	9.00	54.60	8.19	62.78	12.0	5.23
		350	7.49	5.32	12.82	12.82	1.92	14.74	12.82	110 HP		52.49	7.87	60.36	AC/HR	5.03
27-29 FT	28600	150	17.27	6.29	23.56	23.56	3.53	27.10	23.56			67.73	10.16	77.89		5.77
		250	11.34	6.29	17.63	17.63	2.65	20.28	17.63	35.17	9.00	61.80	9.27	71.07	13.5	5.26
		350	8.86	6.29	15.15	15.15	2.27	17.42	15.15	130 HP		59.31	8.90	68.21	AC/HR	5.05
30-31 FT	30000	150	18.12	6.60	24.72	24.72	3.71	28.42	24.72			72.93	10.94	83.87		5.41
		250	11.90	6.60	18.50	18.50	2.77	21.27	18.50	39.22	9.00	66.71	10.01	76.72	15.5	4.95
		350	9.29	6.60	15.89	15.89	2.38	18.27	15.89	150 HP		64.11	9.62	73.72	AC/HR	4.76
32-33 FT	30700	150	18.54	6.75	25.29	25.29	3.79	29.09	25.29			73.51	11.03	84.53		5.12
		250	12.18	6.75	18.93	18.93	2.84	21.77	18.93	39.22	9.00	67.15	10.07	77.22	16.5	4.68
		350	9.51	6.75	16.26	16.26	2.44	18.70	16.26	150 HP		64.48	9.67	74.15	AC/HR	4.49
34-35 FT	31700	150	19.14	6.97	26.12	26.12	3.92	30.03	26.12			87.75	13.16	100.91		5.77
		250	12.57	6.97	19.55	19.55	2.93	22.48	19.55	52.63	9.00	81.18	12.18	93.36	17.5	5.33
		350	9.82	6.97	16.79	16.79	2.52	19.31	16.79	180 HP		78.42	11.76	90.19	AC/HR	5.15
36-37 FT	35100	150	21.20	7.72	28.92	28.92	4.34	33.25	28.92			92.23	13.83	106.06		5.73
		250	13.92	7.72	21.64	21.64	3.25	24.89	21.64	54.31	9.00	84.95	12.74	97.69	18.5	5.28
		350	10.87	7.72	18.59	18.59	2.79	21.38	18.59	250 HP		81.90	12.28	94.18	AC/HR	5.09
40-41 FT	35500	150	21.44	7.81	29.25	29.25	4.39	33.63	29.25			92.56	13.88	106.44		5.19
		250	14.08	7.81	21.89	21.89	3.28	25.17	21.89	54.31	9.00	85.20	12.78	97.98	20.5	4.78
		350	10.99	7.81	18.80	18.80	2.82	21.62	18.80	250 HP		82.11	12.32	94.43	AC/HR	4.61
45-47 FT	49400	150	29.83	10.87	40.70	40.70	6.10	46.80	40.70			104.01	15.60	119.61		5.20
		250	19.59	10.87	30.46	30.46	4.57	35.03	30.46	54.31	9.00	93.77	14.07	107.83	23.0	4.69
		350	15.30	10.87	26.17	26.17	3.92	30.09	26.17	275 HP		89.47	13.42	102.89	AC/HR	4.47
58-60 FT	57400	150	34.66	12.63	47.29	47.29	7.09	54.38	47.29			118.65	17.80	136.45		4.63
		250	22.76	12.63	35.39	35.39	5.31	40.70	35.39	62.36	9.00	106.75	16.01	122.77	29.5	4.16
		350	17.77	12.63	30.40	30.40	4.56	34.96	30.40	325 HP		101.76	15.26	117.03	AC/HR	3.97
					Average Rental Rate per Acre			1.37						Average Custom Rate per Acre		4.99

Note: If equipped with mounted harrows add $0.46/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
ANHYDROUS AMMONIA APPLICATORS, 1600 GAL TANK & HD CULTIVATOR																$/AC
25 FT	39500	150	23.85	8.69	32.54	32.54	4.88	37.42	32.54			80.76	12.11	92.87		8.08
		250	15.67	8.69	24.36	24.36	3.65	28.01	24.36	39.22	9.00	72.57	10.89	83.46	11.5	7.26
		350	12.23	8.69	20.92	20.92	3.14	24.06	20.92	150 HP		69.14	10.37	79.51	AC/HR	6.91
36 FT	50500	150	30.49	11.11	41.60	41.60	6.24	47.85	41.60			104.91	15.74	120.65		7.31
		250	20.03	11.11	31.14	31.14	4.67	35.81	31.14	54.31	9.00	94.45	14.17	108.61	16.5	6.58
		350	15.64	11.11	26.75	26.75	4.01	30.76	26.75	250 HP		90.06	13.51	103.56	AC/HR	6.28
48 FT	65000	150	39.25	14.30	53.55	53.55	8.03	61.58	53.55			116.86	17.53	134.39		6.11
		250	25.78	14.30	40.08	40.08	6.01	46.09	40.08	54.31	9.00	103.39	15.51	118.90	22.0	5.40
		350	20.13	14.30	34.43	34.43	5.16	39.59	34.43	275 HP		97.74	14.66	112.40	AC/HR	5.11
					Average Rental Rate per Acre			2.23						Average Custom Rate per Acre		6.41

COMBINES, PTO

There are currently no new pull type combines being sold in Saskatchewan and as a result PTO combines have been removed from the Farm Machinery Custom and Rental Rate Guide. 1993 was the last year PTO combines were included in the guide. In 1993 the medium size PTO combine custom rate was $13.08 per acre. In the ten years from 1984 to 1993 the PTO combine custom rate averaged 98% of the self propelled combine custom rate. To calculate the PTO custom combine rate multiply the SP custom combine rate by .98. For 2002, 98% of the SP combine custom rate is $18.66 per acre.

CULTIVATORS, FIELD																$/AC
14-15 FT	14000	150	8.45	3.08	11.53	11.53	1.73	13.26	11.53			35.47	5.32	40.79		5.44
		250	5.55	3.08	8.63	8.63	1.29	9.93	8.63	14.93	9.00	32.57	4.89	37.45	7.5	4.99
		350	4.34	3.08	7.42	7.42	1.11	8.53	7.42	65 HP		31.35	4.70	36.05	AC/HR	4.81
20-21 FT	17000	150	10.27	3.74	14.01	14.01	2.10	16.11	14.01			44.10	6.62	50.72		5.07
		250	6.74	3.74	10.48	10.48	1.57	12.05	10.48	21.10	9.00	40.58	6.09	46.67	10.0	4.67
		350	5.26	3.74	9.00	9.00	1.35	10.35	9.00	85 HP		39.10	5.87	44.97	AC/HR	4.50
25-27FT	19400	150	11.71	4.27	15.98	15.98	2.40	18.38	15.98			55.66	8.35	64.00		4.74
		250	7.69	4.27	11.96	11.96	1.79	13.76	11.96	30.67	9.00	51.64	7.75	59.38	13.5	4.40
		350	6.01	4.27	10.28	10.28	1.54	11.82	10.28	110 HP		49.95	7.49	57.44	AC/HR	4.25
33-34 FT	23300	150	14.07	5.13	19.20	19.20	2.88	22.08	19.20			67.41	10.11	77.52		4.70
		250	9.24	5.13	14.37	14.37	2.16	16.52	14.37	39.22	9.00	62.58	9.39	71.97	16.5	4.36
		350	7.22	5.13	12.34	12.34	1.85	14.19	12.34	150 HP		60.56	9.08	69.64	AC/HR	4.22
41-45 FT	33400	150	20.17	7.35	27.52	27.52	4.13	31.64	27.52			89.15	13.37	102.52		4.77
		250	13.25	7.35	20.59	20.59	3.09	23.68	20.59	52.63	9.00	82.23	12.33	94.56	21.5	4.40
		350	10.34	7.35	17.69	17.69	2.65	20.34	17.69	180 HP		79.33	11.90	91.22	AC/HR	4.24
46-50 FT	45400	150	27.42	9.99	37.40	37.40	5.61	43.01	37.40			100.71	15.11	115.82		4.83
		250	18.01	9.99	27.99	27.99	4.20	32.19	27.99	54.31	9.00	91.30	13.70	105.00	24.0	4.37
		350	14.06	9.99	24.05	24.05	3.61	27.65	24.05	275 HP		87.36	13.10	100.46	AC/HR	4.19
51-55 FT	46800	150	28.26	10.30	38.56	38.56	5.78	44.34	38.56			109.92	16.49	126.41		4.77
		250	18.56	10.30	28.86	28.86	4.33	33.19	28.86	62.36	9.00	100.22	15.03	115.25	26.5	4.35
		350	14.49	10.30	24.79	24.79	3.72	28.51	24.79	325 HP		96.15	14.42	110.57	AC/HR	4.17
56-60 FT	53400	150	32.25	11.75	43.99	43.99	6.60	50.59	43.99			115.36	17.30	132.66		4.57
		250	21.18	11.75	32.93	32.93	4.94	37.87	32.93	62.36	9.00	104.29	15.64	119.93	29.0	4.14
		350	16.54	11.75	28.28	28.28	4.24	32.53	28.28	325 HP		99.65	14.95	114.59	AC/HR	3.95
					Average Rental Rate per Acre			1.19						Average Custom Rate per Acre		4.46

Note: If equipped with mounted harrows add $0.46/AC

DRAWN EQUIPMENT - GRAIN

MACHINE SIZE	ORIG COST	ANN HRS OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR	REPAIR COST $/HR	TOTAL COST NO LABOUR $/HR	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR	MARGIN $/HR	RENTAL RATE /HR	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR	POWER UNIT COST $/HR	LAB COST $/HR	BASIC CUSTOM WORK RATES $/HR	MARGIN $/HR	CUSTOM RATE $/HR	WORK RATE	CALC CUSTOM RATE
CULTIVATORS HEAVY DUTY																$/AC
18-20 FT	18900	150	11.41	4.16	15.57	15.57	2.34	17.91	15.57			45.67	6.85	52.52		5.53
		250	7.50	4.16	11.65	11.65	1.75	13.40	11.65	21.10	9.00	41.75	6.26	48.02	9.5	5.05
		350	5.85	4.16	10.01	10.01	1.50	11.51	10.01	85 HP		40.11	6.02	46.13	AC/HR	4.86
21-22 FT	20500	150	12.38	4.51	16.89	16.89	2.53	19.42	16.89			56.56	8.48	65.05		5.91
		250	8.13	4.51	12.64	12.64	1.90	14.54	12.64	30.67	9.00	52.31	7.85	60.16	11.0	5.47
		350	6.35	4.51	10.86	10.86	1.63	12.49	10.86	110 HP		50.53	7.58	58.11	AC/HR	5.28
23-25 FT	24200	150	14.61	5.32	19.94	19.94	2.99	22.93	19.94			59.61	8.94	68.55		5.71
		250	9.60	5.32	14.92	14.92	2.24	17.16	14.92	30.67	9.00	54.60	8.19	62.78	12.0	5.23
		350	7.49	5.32	12.82	12.82	1.92	14.74	12.82	110 HP		52.49	7.87	60.36	AC/HR	5.03
27-29 FT	28600	150	17.27	6.29	23.56	23.56	3.53	27.10	23.56			67.73	10.16	77.89		5.77
		250	11.34	6.29	17.63	17.63	2.65	20.28	17.63	35.17	9.00	61.80	9.27	71.07	13.5	5.26
		350	8.86	6.29	15.15	15.15	2.27	17.42	15.15	130 HP		59.31	8.90	68.21	AC/HR	5.05
30-31 FT	30000	150	18.12	6.60	24.72	24.72	3.71	28.42	24.72			72.93	10.94	83.87		5.41
		250	11.90	6.60	18.50	18.50	2.77	21.27	18.50	39.22	9.00	66.71	10.01	76.72	15.5	4.95
		350	9.29	6.60	15.89	15.89	2.38	18.27	15.89	150 HP		64.11	9.62	73.72	AC/HR	4.76
32-33 FT	30700	150	18.54	6.75	25.29	25.29	3.79	29.09	25.29			73.51	11.03	84.53		5.12
		250	12.18	6.75	18.93	18.93	2.84	21.77	18.93	39.22	9.00	67.15	10.07	77.22	16.5	4.68
		350	9.51	6.75	16.26	16.26	2.44	18.70	16.26	150 HP		64.48	9.67	74.15	AC/HR	4.49
34-35 FT	31700	150	19.14	6.97	26.12	26.12	3.92	30.03	26.12			87.75	13.16	100.91		5.77
		250	12.57	6.97	19.55	19.55	2.93	22.48	19.55	52.63	9.00	81.18	12.18	93.36	17.5	5.33
		350	9.82	6.97	16.79	16.79	2.52	19.31	16.79	180 HP		78.42	11.76	90.19	AC/HR	5.15
36-37 FT	35100	150	21.20	7.72	28.92	28.92	4.34	33.25	28.92			92.23	13.83	106.06		5.73
		250	13.92	7.72	21.64	21.64	3.25	24.89	21.64	54.31	9.00	84.95	12.74	97.69	18.5	5.28
		350	10.87	7.72	18.59	18.59	2.79	21.38	18.59	250 HP		81.90	12.28	94.18	AC/HR	5.09
40-41 FT	35500	150	21.44	7.81	29.25	29.25	4.39	33.63	29.25			92.56	13.88	106.44		5.19
		250	14.08	7.81	21.89	21.89	3.28	25.17	21.89	54.31	9.00	85.20	12.78	97.98	20.5	4.78
		350	10.99	7.81	18.80	18.80	2.82	21.62	18.80	250 HP		82.11	12.32	94.43	AC/HR	4.61
45-47 FT	49400	150	29.83	10.87	40.70	40.70	6.10	46.80	40.70			104.01	15.60	119.61		5.20
		250	19.59	10.87	30.46	30.46	4.57	35.03	30.46	54.31	9.00	93.77	14.07	107.83	23.0	4.69
		350	15.30	10.87	26.17	26.17	3.92	30.09	26.17	275 HP		89.47	13.42	102.89	AC/HR	4.47
58-60 FT	57400	150	34.66	12.63	47.29	47.29	7.09	54.38	47.29			118.65	17.80	136.45		4.63
		250	22.76	12.63	35.39	35.39	5.31	40.70	35.39	62.36	9.00	106.75	16.01	122.77	29.5	4.16
		350	17.77	12.63	30.40	30.40	4.56	34.96	30.40	325 HP		101.76	15.26	117.03	AC/HR	3.97
					Average Rental Rate per Acre			1.37						Average Custom Rate per Acre		4.99

Note: If equipped with mounted harrows add $0.46/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS, WIDE BLADE																$/AC
30 FT	18300	150	11.05	4.03	15.08	15.08	2.26	17.34	15.08			70.14	10.52	80.66		4.89
		250	7.26	4.03	11.28	11.28	1.69	12.98	11.28	46.06	9.00	66.34	9.95	76.29	16.5	4.62
		350	5.67	4.03	9.69	9.69	1.45	11.15	9.69	170 HP		64.75	9.71	74.46	AC/HR	4.51
40 FT	26100	150	15.76	5.74	21.50	21.50	3.23	24.73	21.50			83.14	12.47	95.61		4.35
		250	10.35	5.74	16.09	16.09	2.41	18.51	16.09	52.63	9.00	77.73	11.66	89.39	22.0	4.06
		350	8.08	5.74	13.82	13.82	2.07	15.90	13.82	185 HP		75.46	11.32	86.78	AC/HR	3.94
55 FT	37800	150	22.83	8.32	31.14	31.14	4.67	35.81	31.14			94.45	14.17	108.62		3.62
		250	14.99	8.32	23.31	23.31	3.50	26.80	23.31	54.31	9.00	86.62	12.99	99.61	30.0	3.32
		350	11.71	8.32	20.02	20.02	3.00	23.02	20.02	250 HP		83.33	12.50	95.83	AC/HR	3.19
					Average Rental Rate per Acre			0.84				Average Custom Rate per Acre				4.00
DISCERS, W/SEED & FERTILIZER																$/AC
15-16 FT	15200	100	14.00	3.04	17.04	17.04	2.56	19.59	17.04			45.38	6.81	52.19		8.03
		150	10.05	3.04	13.09	13.09	1.96	15.05	13.09	19.34	9.00	41.43	6.21	47.64	6.5	7.33
		200	8.04	3.04	11.08	11.08	1.66	12.74	11.08	75 HP		39.42	5.91	45.34	AC/HR	6.97
24 FT	21600	100	19.89	4.32	24.21	24.21	3.63	27.84	24.21			63.89	9.58	73.47		7.35
		150	14.28	4.32	18.60	18.60	2.79	21.39	18.60	30.67	9.00	58.27	8.74	67.01	10.0	6.70
		200	11.43	4.32	15.75	15.75	2.36	18.11	15.75	110 HP		55.42	8.31	63.73	AC/HR	6.37
30-32 FT	29800	100	27.44	5.96	33.40	33.40	5.01	38.41	33.40			81.62	12.24	93.86		7.22
		150	19.70	5.96	25.66	25.66	3.85	29.51	25.66	39.22	9.00	73.87	11.08	84.96	13.0	6.54
		200	15.77	5.96	21.73	21.73	3.26	24.99	21.73	150 HP		69.94	10.49	80.43	AC/HR	6.19
36 FT	32700	100	30.11	6.54	36.65	36.65	5.50	42.15	36.65			98.29	14.74	113.03		7.54
		150	21.61	6.54	28.15	28.15	4.22	32.38	28.15	52.63	9.00	89.79	13.47	103.26	15.0	6.88
		200	17.30	6.54	23.84	23.84	3.58	27.42	23.84	185 HP		85.48	12.82	98.30	AC/HR	6.55
45-48 FT	44900	100	41.35	8.98	50.33	50.33	7.55	57.88	50.33			113.64	17.05	130.68		6.88
		150	29.68	8.98	38.66	38.66	5.80	44.46	38.66	54.31	9.00	101.97	15.30	117.26	19.0	6.17
		200	23.76	8.98	32.74	32.74	4.91	37.65	32.74	250 HP		96.04	14.41	110.45	AC/HR	5.81
					Average Rental Rate per Acre			2.24				Average Custom Rate per Acre				6.72
NOTE: Discers are not currently being manufactured. The above prices are the last available(1993).																
DISKS, HEAVY BREAKING																$/AC
10-12 FT	22300	100	20.54	4.46	25.00	25.00	3.75	28.75	25.00			86.63	12.99	99.63		18.11
		150	14.74	4.46	19.20	19.20	2.88	22.08	19.20	52.63	9.00	80.84	12.13	92.96	5.5	16.90
		200	11.80	4.46	16.26	16.26	2.44	18.70	16.26	185 HP		77.89	11.68	89.58	AC/HR	16.29
14-16 FT	29000	100	26.71	5.80	32.51	32.51	4.88	37.38	32.51			94.14	14.12	108.26		14.43
		150	19.17	5.80	24.97	24.97	3.75	28.71	24.97	52.63	9.00	86.60	12.99	99.59	7.5	13.28
		200	15.34	5.80	21.14	21.14	3.17	24.31	21.14	185 HP		82.78	12.42	95.19	AC/HR	12.69
					Average Rental Rate per Acre			3.92				Average Custom Rate per Acre				15.09

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DISKS, HEAVY TANDEM																$/AC
12-14 FT	11600	100	10.68	2.32	13.00	13.00	1.95	14.95	13.00			36.94	5.54	42.48		6.54
		150	7.67	2.32	9.99	9.99	1.50	11.49	9.99	14.93	9.00	33.92	5.09	39.01	6.5	6.00
		200	6.14	2.32	8.46	8.46	1.27	9.73	8.46	65 HP		32.39	4.86	37.25	AC/HR	5.73
15-17 FT	19300	100	17.77	3.86	21.63	21.63	3.25	24.88	21.63			51.73	7.76	59.49		7.44
		150	12.76	3.86	16.62	16.62	2.49	19.11	16.62	21.10	9.00	46.72	7.01	53.72	8.0	6.72
		200	10.21	3.86	14.07	14.07	2.11	16.18	14.07	85 HP		44.17	6.63	50.80	AC/HR	6.35
18-19 FT	22400	100	20.63	4.48	25.11	25.11	3.77	28.87	25.11			55.21	8.28	63.49		6.68
		150	14.81	4.48	19.29	19.29	2.89	22.18	19.29	21.10	9.00	49.39	7.41	56.79	9.5	5.98
		200	11.85	4.48	16.33	16.33	2.45	18.78	16.33	85 HP		46.43	6.96	53.39	AC/HR	5.62
20-22 FT	23800	100	21.92	4.76	26.68	26.68	4.00	30.68	26.68			74.89	11.23	86.13		8.20
		150	15.73	4.76	20.49	20.49	3.07	23.57	20.49	39.22	9.00	68.71	10.31	79.01	10.5	7.53
		200	12.59	4.76	17.35	17.35	2.60	19.96	17.35	150 HP		65.57	9.84	75.40	AC/HR	7.18
23-25 FT	29900	100	27.54	5.98	33.52	33.52	5.03	38.54	33.52			88.57	13.29	101.86		8.49
		150	19.76	5.98	25.74	25.74	3.86	29.61	25.74	46.06	9.00	80.80	12.12	92.92	12.0	7.74
		200	15.82	5.98	21.80	21.80	3.27	25.07	21.80	170 HP		76.86	11.53	88.39	AC/HR	7.37
26-28 FT	34700	100	31.96	6.94	38.90	38.90	5.83	44.73	38.90			100.53	15.08	115.61		8.56
		150	22.94	6.94	29.88	29.88	4.48	34.36	29.88	52.63	9.00	91.51	13.73	105.24	13.5	7.80
		200	18.36	6.94	25.30	25.30	3.79	29.09	25.30	185 HP		86.93	13.04	99.97	AC/HR	7.41
29-32 FT	39000	100	35.92	7.80	43.72	43.72	6.56	50.27	43.72			107.02	16.05	123.08		8.21
		150	25.78	7.80	33.58	33.58	5.04	38.62	33.58	54.31	9.00	96.89	14.53	111.42	15.0	7.43
		200	20.63	7.80	28.43	28.43	4.27	32.70	28.43	275 HP		91.74	13.76	105.50	AC/HR	7.03
				Average Rental Rate per Acre				2.33				Average Custom Rate per Acre				7.03
DRILLS																
DISK PRESS																$/AC
10 FT	15500	100	14.27	3.10	17.37	17.37	2.61	19.98	17.37			38.71	5.81	44.52		11.13
		150	10.25	3.10	13.35	13.35	2.00	15.35	13.35	12.34	9.00	34.68	5.20	39.89	4.0	9.97
		200	8.20	3.10	11.30	11.30	1.70	13.00	11.30	55 HP		32.64	4.90	37.53	AC/HR	9.38
20-21 FT	33200	100	30.57	6.64	37.21	37.21	5.58	42.80	37.21			76.89	11.53	88.42		10.40
		150	21.95	6.64	28.59	28.59	4.29	32.87	28.59	30.67	9.00	68.26	10.24	78.50	8.5	9.23
		200	17.57	6.64	24.21	24.21	3.63	27.84	24.21	110 HP		63.88	9.58	73.46	AC/HR	8.64
28-30 FT	55200	100	50.83	11.04	61.87	61.87	9.28	71.16	61.87			110.09	16.51	126.60		10.55
		150	36.49	11.04	47.53	47.53	7.13	54.66	47.53	39.22	9.00	95.74	14.36	110.10	12.0	9.18
		200	29.21	11.04	40.25	40.25	6.04	46.28	40.25	150 HP		88.46	13.27	101.73	AC/HR	8.48
40-42 FT	62300	100	57.37	12.46	69.83	69.83	10.47	80.31	69.83			131.47	19.72	151.19		8.89
		150	41.18	12.46	53.64	53.64	8.05	61.69	53.64	52.63	9.00	115.28	17.29	132.57	17.0	7.80
		200	32.96	12.46	45.42	45.42	6.81	52.24	45.42	185 HP		107.06	16.06	123.12	AC/HR	7.24
				Average Rental Rate per Acre				3.97				Average Custom Rate per Acre				9.04

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS.																$/AC
WIDE BLADE																
30 FT	18300	150	11.05	4.03	15.08	15.08	2.26	17.34	15.08			70.14	10.52	80.66		4.89
		250	7.26	4.03	11.28	11.28	1.69	12.98	11.28	46.06	9.00	66.34	9.95	76.29	16.5	4.62
		350	5.67	4.03	9.69	9.69	1.45	11.15	9.69	170 HP		64.75	9.71	74.46	AC/HR	4.51
40 FT	26100	150	15.76	5.74	21.50	21.50	3.23	24.73	21.50			83.14	12.47	95.61		4.35
		250	10.35	5.74	16.09	16.09	2.41	18.51	16.09	52.63	9.00	77.73	11.66	89.39	22.0	4.06
		350	8.08	5.74	13.82	13.82	2.07	15.90	13.82	185 HP		75.46	11.32	86.78	AC/HR	3.94
55 FT	37800	150	22.83	8.32	31.14	31.14	4.67	35.81	31.14			94.45	14.17	108.62		3.62
		250	14.99	8.32	23.31	23.31	3.50	26.80	23.31	54.31	9.00	86.62	12.99	99.61	30.0	3.32
		350	11.71	8.32	20.02	20.02	3.00	23.02	20.02	250 HP		83.33	12.50	95.83	AC/HR	3.19
					Average Rental Rate per Acre			0.84				Average Custom Rate per Acre				4.00
DISCERS.																
W/SEED & FERTILIZER																$/AC
15-16 FT	15200	100	14.00	3.04	17.04	17.04	2.56	19.59	17.04			45.38	6.81	52.19		8.03
		150	10.05	3.04	13.09	13.09	1.96	15.05	13.09	19.34	9.00	41.43	6.21	47.64	6.5	7.33
		200	8.04	3.04	11.08	11.08	1.66	12.74	11.08	75 HP		39.42	5.91	45.34	AC/HR	6.97
24 FT	21600	100	19.89	4.32	24.21	24.21	3.63	27.84	24.21			63.89	9.58	73.47		7.35
		150	14.28	4.32	18.60	18.60	2.79	21.39	18.60	30.67	9.00	58.27	8.74	67.01	10.0	6.70
		200	11.43	4.32	15.75	15.75	2.36	18.11	15.75	110 HP		55.42	8.31	63.73	AC/HR	6.37
30-32 FT	29800	100	27.44	5.96	33.40	33.40	5.01	38.41	33.40			81.62	12.24	93.86		7.22
		150	19.70	5.96	25.66	25.66	3.85	29.51	25.66	39.22	9.00	73.87	11.08	84.96	13.0	6.54
		200	15.77	5.96	21.73	21.73	3.26	24.99	21.73	150 HP		69.94	10.49	80.43	AC/HR	6.19
36 FT	32700	100	30.11	6.54	36.65	36.65	5.50	42.15	36.65			98.29	14.74	113.03		7.54
		150	21.61	6.54	28.15	28.15	4.22	32.38	28.15	52.63	9.00	89.79	13.47	103.26	15.0	6.88
		200	17.30	6.54	23.84	23.84	3.58	27.42	23.84	185 HP		85.48	12.82	98.30	AC/HR	6.55
45-48 FT	44900	100	41.35	8.98	50.33	50.33	7.55	57.88	50.33			113.64	17.05	130.68		6.88
		150	29.68	8.98	38.66	38.66	5.80	44.46	38.66	54.31	9.00	101.97	15.30	117.26	19.0	6.17
		200	23.76	8.98	32.74	32.74	4.91	37.65	32.74	250 HP		96.04	14.41	110.45	AC/HR	5.81
					Average Rental Rate per Acre			2.24				Average Custom Rate per Acre				6.72
NOTE: Discers are not currently being manufactured. The above prices are the last available(1993).																
DISKS.																
HEAVY BREAKING																$/AC
10-12 FT	22300	100	20.54	4.46	25.00	25.00	3.75	28.75	25.00			86.63	12.99	99.63		18.11
		150	14.74	4.46	19.20	19.20	2.88	22.08	19.20	52.63	9.00	80.84	12.13	92.96	5.5	16.90
		200	11.80	4.46	16.26	16.26	2.44	18.70	16.26	185 HP		77.89	11.68	89.58	AC/HR	16.29
14-16 FT	29000	100	26.71	5.80	32.51	32.51	4.88	37.38	32.51			94.14	14.12	108.26		14.43
		150	19.17	5.80	24.97	24.97	3.75	28.71	24.97	52.63	9.00	86.60	12.99	99.59	7.5	13.28
		200	15.34	5.80	21.14	21.14	3.17	24.31	21.14	185 HP		82.78	12.42	95.19	AC/HR	12.69
					Average Rental Rate per Acre			3.92				Average Custom Rate per Acre				15.09

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DISKS, HEAVY TANDEM																
																$/AC
12-14 FT	11600	100	10.68	2.32	13.00	13.00	1.95	14.95	13.00			36.94	5.54	42.48		6.54
		150	7.67	2.32	9.99	9.99	1.50	11.49	9.99	14.93	9.00	33.92	5.09	39.01	6.5	6.00
		200	6.14	2.32	8.46	8.46	1.27	9.73	8.46	65 HP		32.39	4.86	37.25	AC/HR	5.73
15-17 FT	19300	100	17.77	3.86	21.63	21.63	3.25	24.88	21.63			51.73	7.76	59.49		7.44
		150	12.76	3.86	16.62	16.62	2.49	19.11	16.62	21.10	9.00	46.72	7.01	53.72	8.0	6.72
		200	10.21	3.86	14.07	14.07	2.11	16.18	14.07	85 HP		44.17	6.63	50.80	AC/HR	6.35
18-19 FT	22400	100	20.63	4.48	25.11	25.11	3.77	28.87	25.11			55.21	8.28	63.49		6.68
		150	14.81	4.48	19.29	19.29	2.89	22.18	19.29	21.10	9.00	49.39	7.41	56.79	9.5	5.98
		200	11.85	4.48	16.33	16.33	2.45	18.78	16.33	85 HP		46.43	6.96	53.39	AC/HR	5.62
20-22 FT	23800	100	21.92	4.76	26.68	26.68	4.00	30.68	26.68			74.89	11.23	86.13		8.20
		150	15.73	4.76	20.49	20.49	3.07	23.57	20.49	39.22	9.00	68.71	10.31	79.01	10.5	7.53
		200	12.59	4.76	17.35	17.35	2.60	19.96	17.35	150 HP		65.57	9.84	75.40	AC/HR	7.18
23-25 FT	29900	100	27.54	5.98	33.52	33.52	5.03	38.54	33.52			88.57	13.29	101.86		8.49
		150	19.76	5.98	25.74	25.74	3.86	29.61	25.74	46.06	9.00	80.80	12.12	92.92	12.0	7.74
		200	15.82	5.98	21.80	21.80	3.27	25.07	21.80	170 HP		76.86	11.53	88.39	AC/HR	7.37
26-28 FT	34700	100	31.96	6.94	38.90	38.90	5.83	44.73	38.90			100.53	15.08	115.61		8.56
		150	22.94	6.94	29.88	29.88	4.48	34.36	29.88	52.63	9.00	91.51	13.73	105.24	13.5	7.80
		200	18.36	6.94	25.30	25.30	3.79	29.09	25.30	185 HP		86.93	13.04	99.97	AC/HR	7.41
29-32 FT	39000	100	35.92	7.80	43.72	43.72	6.56	50.27	43.72			107.02	16.05	123.08		8.21
		150	25.78	7.80	33.58	33.58	5.04	38.62	33.58	54.31	9.00	96.89	14.53	111.42	15.0	7.43
		200	20.63	7.80	28.43	28.43	4.27	32.70	28.43	275 HP		91.74	13.76	105.50	AC/HR	7.03
					Average Rental Rate per Acre			2.33				Average Custom Rate per Acre				7.03
DRILLS																
DISK PRESS																
																$/AC
10 FT	15500	100	14.27	3.10	17.37	17.37	2.61	19.98	17.37			38.71	5.81	44.52		11.13
		150	10.25	3.10	13.35	13.35	2.00	15.35	13.35	12.34	9.00	34.68	5.20	39.89	4.0	9.97
		200	8.20	3.10	11.30	11.30	1.70	13.00	11.30	55 HP		32.64	4.90	37.53	AC/HR	9.38
20-21 FT	33200	100	30.57	6.64	37.21	37.21	5.58	42.80	37.21			76.89	11.53	88.42		10.40
		150	21.95	6.64	28.59	28.59	4.29	32.87	28.59	30.67	9.00	68.26	10.24	78.50	8.5	9.23
		200	17.57	6.64	24.21	24.21	3.63	27.84	24.21	110 HP		63.88	9.58	73.46	AC/HR	8.64
28-30 FT	55200	100	50.83	11.04	61.87	61.87	9.28	71.16	61.87			110.09	16.51	126.60		10.55
		150	36.49	11.04	47.53	47.53	7.13	54.66	47.53	39.22	9.00	95.74	14.36	110.10	12.0	9.18
		200	29.21	11.04	40.25	40.25	6.04	46.28	40.25	150 HP		88.46	13.27	101.73	AC/HR	8.48
40-42 FT	62300	100	57.37	12.46	69.83	69.83	10.47	80.31	69.83			131.47	19.72	151.19		8.89
		150	41.18	12.46	53.64	53.64	8.05	61.69	53.64	52.63	9.00	115.28	17.29	132.57	17.0	7.80
		200	32.96	12.46	45.42	45.42	6.81	52.24	45.42	185 HP		107.06	16.06	123.12	AC/HR	7.24
					Average Rental Rate per Acre			3.97				Average Custom Rate per Acre				9.04

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DRILLS																
HOE PRESS																$/AC
10 FT	17800	100	16.39	3.56	19.95	19.95	2.99	22.95	19.95			43.89	6.58	50.47		12.62
		150	11.77	3.56	15.33	15.33	2.30	17.62	15.33	14.93	9.00	39.26	5.89	45.15	4.0	11.29
		200	9.42	3.56	12.98	12.98	1.95	14.92	12.98	65 HP		36.91	5.54	42.45	AC/HR	10.61
20-21 FT	36900	100	33.98	7.38	41.36	41.36	6.20	47.57	41.36			81.03	12.16	93.19		10.96
		150	24.39	7.38	31.77	31.77	4.77	36.54	31.77	30.67	9.00	71.44	10.72	82.16	8.5	9.67
		200	19.52	7.38	26.90	26.90	4.04	30.94	26.90	110 HP		66.58	9.99	76.56	AC/HR	9.01
28-30 FT	62000	100	57.10	12.40	69.50	69.50	10.42	79.92	69.50			117.71	17.66	135.37		11.28
		150	40.98	12.40	53.38	53.38	8.01	61.39	53.38	39.22	9.00	101.60	15.24	116.84	12.0	9.74
		200	32.80	12.40	45.20	45.20	6.78	51.98	45.20	150 HP		93.42	14.01	107.43	AC/HR	8.95
40-42 FT	81600	100	75.15	16.32	91.47	91.47	13.72	105.19	91.47			153.10	22.97	176.07		10.36
		150	53.94	16.32	70.26	70.26	10.54	80.80	70.26	52.63	9.00	131.89	19.78	151.68	17.0	8.92
		200	43.17	16.32	59.49	59.49	8.92	68.42	59.49	185 HP		121.13	18.17	139.30	AC/HR	8.19
					Average Rental Rate per Acre			4.64				Average Custom Rate per Acre				9.90
DRILLS																
ZERO TILL GRAVITY DISK *																
14 - 15 FT	45200	100	41.63	9.04	50.67	50.67	7.60	58.26	50.67			90.34	13.55	103.89		18.89
		150	29.88	9.04	38.92	38.92	5.84	44.75	38.92	30.67	9.00	78.59	11.79	90.38	5.5	16.43
		200	23.91	9.04	32.95	32.95	4.94	37.90	32.95	110 HP		72.63	10.89	83.52	AC/HR	15.19
21 FT	59900	100	55.16	11.98	67.14	67.14	10.07	77.21	67.14			115.36	17.30	132.66		16.58
		150	39.59	11.98	51.57	51.57	7.74	59.31	51.57	39.22	9.00	99.79	14.97	114.76	8.0	14.34
		200	31.69	11.98	43.67	43.67	6.55	50.22	43.67	150 HP		91.89	13.78	105.67	AC/HR	13.21
28 - 30 FT	79400	100	73.12	15.88	89.00	89.00	13.35	102.35	89.00			150.64	22.60	173.23		15.75
		150	52.48	15.88	68.36	68.36	10.25	78.62	68.36	52.63	9.00	130.00	19.50	149.50	11.0	13.59
		200	42.01	15.88	57.89	57.89	8.68	66.57	57.89	185 HP		119.52	17.93	137.45	AC/HR	12.50
					Average Rental Rate per Acre			7.57				Average Custom Rate per Acre				14.79
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
DRILLS																$/AC
ZERO TILL GRAVITY HOE *																
21 FT	28900	100	26.61	5.78	32.39	32.39	4.86	37.25	32.39			80.61	12.09	92.70		11.59
		150	19.10	5.78	24.88	24.88	3.73	28.62	24.88	39.22	9.00	73.10	10.96	84.06	8.0	10.51
		200	15.29	5.78	21.07	21.07	3.16	24.23	21.07	150 HP		69.29	10.39	79.68	AC/HR	9.96
28-30 FT	52400	100	48.26	10.48	58.74	58.74	8.81	67.55	58.74			120.37	18.06	138.43		12.58
		150	34.64	10.48	45.12	45.12	6.77	51.88	45.12	52.63	9.00	106.75	16.01	122.76	11.0	11.16
		200	27.72	10.48	38.20	38.20	5.73	43.93	38.20	185 HP		99.84	14.98	114.81	AC/HR	10.44
35 FT	60950	100	56.13	12.19	68.32	68.32	10.25	78.57	68.32			129.95	19.49	149.45		11.50
		150	40.29	12.19	52.48	52.48	7.87	60.35	52.48	52.63	9.00	114.11	17.12	131.23	13.0	10.09
		200	32.25	12.19	44.44	44.44	6.67	51.10	44.44	185 HP		106.07	15.91	121.98	AC/HR	9.38
40-42 FT	69500	100	64.00	13.90	77.90	77.90	11.69	89.59	77.90			141.21	21.18	162.39		10.48
		150	45.94	13.90	59.84	59.84	8.98	68.82	59.84	54.31	9.00	123.15	18.47	141.62	15.5	9.14
		200	36.77	13.90	50.67	50.67	7.60	58.27	50.67	275 HP		113.98	17.10	131.08	AC/HR	8.46
					Average Rental Rate per Acre			4.34				Average Custom Rate per Acre				10.22
NOTE: Zero-till Gravity Hoe Drills are not currently being manufactured. The above prices are the last available(1996).																
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																

* See introduction for the classification of Air Drills, Air Seeders and Zero Till Drills

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FERTILIZER SPREADERS																$/AC
6 TON	16800	60	26.71	6.30	33.01	33.01	4.95	37.96	33.01			63.11	9.47	72.58		3.02
		80	20.82	6.30	27.12	27.12	4.07	31.19	27.12	21.10	9.00	57.22	8.58	65.80	24.0	2.74
		100	17.38	6.30	23.68	23.68	3.55	27.23	23.68	85 HP		53.78	8.07	61.84	AC/HR	2.58
					Average Rental Rate per Acre			1.30				Average Custom Rate per Acre				2.74
GRAIN AUGERS, PTO																$/BU
8 IN	3370	25	12.02	1.35	13.37	13.37	2.00	15.37	13.37			30.87	4.63	35.50		0.01
40-51 FT		50	6.68	1.35	8.03	8.03	1.20	9.24	8.03	8.50	9.00	25.53	3.83	29.36	3000.0	0.01
		75	4.87	1.35	6.22	6.22	0.93	7.15	6.22	35 HP		23.72	3.56	27.28	BU/HR	0.01
10 IN	7470	25	26.64	2.99	29.63	29.63	4.44	34.07	29.63			50.96	7.64	58.61		0.01
50-60 FT		50	14.81	2.99	17.80	17.80	2.67	20.47	17.80	12.34	9.00	39.14	5.87	45.01	6000.0	0.01
		75	10.79	2.99	13.78	13.78	2.07	15.85	13.78	55 HP		35.12	5.27	40.39	BU/HR	0.01
13 IN	12600	25	44.93	5.04	49.97	49.97	7.50	57.47	49.97			89.64	13.45	103.09		0.01
60-90 FT		50	24.99	5.04	30.03	30.03	4.50	34.53	30.03	30.67	9.00	69.70	10.45	80.15	9600.0	0.01
		75	18.21	5.04	23.25	23.25	3.49	26.74	23.25	105 HP		62.92	9.44	72.36	BU/HR	0.01
												Average Custom Rate / Bushel				0.01
GRAIN CONVEYORS, PTO																$/BU
15 IN BELT	9460	50	13.08	1.97	15.05	15.05	2.26	17.31	15.05			36.39	5.46	41.85		0.01
45-50 FT		100	7.11	1.97	9.08	9.08	1.36	10.44	9.08	12.34	9.00	30.41	4.56	34.98	6000.0	0.01
		150	5.17	1.97	7.14	7.14	1.07	8.21	7.14	55 HP		28.48	4.27	32.75	BU/HR	0.01
15 IN BELT	11200	50	15.49	2.33	17.82	17.82	2.67	20.49	17.82			39.16	5.87	45.03		0.01
60-65 FT		100	8.42	2.33	10.75	10.75	1.61	12.36	10.75	12.34	9.00	32.08	4.81	36.90	6000.0	0.01
		150	6.12	2.33	8.45	8.45	1.27	9.72	8.45	55 HP		29.79	4.47	34.26	BU/HR	0.01
15 IN BELT	12400	50	17.15	2.58	19.73	19.73	2.96	22.69	19.73			48.07	7.21	55.28		0.01
70-80 FT		100	9.32	2.58	11.90	11.90	1.78	13.68	11.90	19.34	9.00	40.24	6.04	46.27	6000.0	0.01
		150	6.78	2.58	9.36	9.36	1.40	10.76	9.36	75 HP		37.70	5.65	43.35	BU/HR	0.01
												Average Custom Rate / Bushel				0.01
GRAIN DRYERS, BATCH																$/BU
350 BUS/HR	18400	100	16.40	1.15	17.55	17.55	2.63	20.19	17.55			48.49	7.27	55.77		0.46
17.5%-14.5%		200	9.12	1.15	10.27	10.27	1.54	11.81	10.27	21.94	9.00	41.21	6.18	47.39	120.0	0.39
		300	6.65	1.15	7.80	7.80	1.17	8.97	7.80	35 HP & propane & tank		38.74	5.81	44.55	BU/HR	0.37
					Suggested Rental Rate /Bu /1%			0.03				Suggested Custom Rate/Bushel / 1%				0.13

NOTE: Power unit costs incl. propane costs of (1) $12.00/hr(40 litres/hr x $.30/litre)(drying at 0 degrees Celsius)(2)Tank rental of $180.00/125hr =$1.44/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (48 litres/hr at - 10 degrees Celsius, 63 litres/hr at - 20 degrees Celsius).

NOTE: Batch grain dryers (round) are not currently being manufactured. The above price is the last available (1996).

GRAIN DRYERS, CONTINUOUS																$/BU
300 BUS/HR	46500	50	82.91	5.81	88.72	88.72	13.31	102.03	88.72			132.49	19.87	152.37		0.51
17.5%-14.5%		100	46.10	5.81	51.92	51.92	7.79	59.70	51.92	34.77	9.00	95.69	14.35	110.04	300.0	0.37
		200	25.20	5.81	31.01	31.01	4.65	35.66	31.01	35 HP & propane & tank		74.78	11.22	86.00	BU/HR	0.29
					Suggested Rental Rate /Bu /1%			0.07				Suggested Custom Rate/Bushel / 1%				0.12
600 BUS/HR	64500	50	115.00	8.06	123.07	123.07	18.46	141.53	123.07			173.87	26.08	199.95		0.33
17.5%-14.5%		100	63.95	8.06	72.01	72.01	10.80	82.82	72.01	41.80	9.00	122.81	18.42	141.24	600.0	0.24
		200	34.95	8.06	43.02	43.02	6.45	49.47	43.02	35 HP & propane & tank		93.82	14.07	107.89	BU/HR	0.18
					Suggested Rental Rate /Bu /1%			0.05				Suggested Custom Rate/Bushel / 1%				0.08

NOTE: 300 bu dryer: Power unit costs incl. propane costs of (1) $23.70/hr(79 litres/hr x $.30/litre)(drying at 0 degrees Celsius) (2)Tank rental of $180.00/70hr =$2.57/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (95 litres/hr at - 10 degrees Celsius, 126 litres/hr at - 20 degrees Celsius).

NOTE: 600 bu dryer: Power unit costs incl. propane costs of (1) $29.70/hr(99 litres/hr x $.30/litre)(drying at 0 degrees Celsius) (2)Tank rental of $180.00/50hr =$3.60/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (111 litres/hr at - 10 degrees Celsius, 142 litres/hr at - 20 degrees Celsius).

NOTE: New grain dryers are powered by electric motors therefore substitute electrical costs for tractor costs.

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DRILLS HOE PRESS																$/AC
10 FT	17800	100	16.39	3.56	19.95	19.95	2.99	22.95	19.95			43.89	6.58	50.47		12.62
		150	11.77	3.56	15.33	15.33	2.30	17.62	15.33	14.93	9.00	39.26	5.89	45.15	4.0	11.29
		200	9.42	3.56	12.98	12.98	1.95	14.92	12.98	65 HP		36.91	5.54	42.45	AC/HR	10.61
20-21 FT	36900	100	33.98	7.38	41.36	41.36	6.20	47.57	41.36			81.03	12.16	93.19		10.96
		150	24.39	7.38	31.77	31.77	4.77	36.54	31.77	30.67	9.00	71.44	10.72	82.16	8.5	9.67
		200	19.52	7.38	26.90	26.90	4.04	30.94	26.90	110 HP		66.58	9.99	76.56	AC/HR	9.01
28-30 FT	62000	100	57.10	12.40	69.50	69.50	10.42	79.92	69.50			117.71	17.66	135.37		11.28
		150	40.98	12.40	53.38	53.38	8.01	61.39	53.38	39.22	9.00	101.60	15.24	116.84	12.0	9.74
		200	32.80	12.40	45.20	45.20	6.78	51.98	45.20	150 HP		93.42	14.01	107.43	AC/HR	8.95
40-42 FT	81600	100	75.15	16.32	91.47	91.47	13.72	105.19	91.47			153.10	22.97	176.07		10.36
		150	53.94	16.32	70.26	70.26	10.54	80.80	70.26	52.63	9.00	131.89	19.78	151.68	17.0	8.92
		200	43.17	16.32	59.49	59.49	8.92	68.42	59.49	185 HP		121.13	18.17	139.30	AC/HR	8.19
					Average Rental Rate per Acre			4.64				Average Custom Rate per Acre				9.90
DRILLS ZERO TILL GRAVITY DISK *																
14 - 15 FT	45200	100	41.63	9.04	50.67	50.67	7.60	58.26	50.67			90.34	13.55	103.89		18.89
		150	29.88	9.04	38.92	38.92	5.84	44.75	38.92	30.67	9.00	78.59	11.79	90.38	5.5	16.43
		200	23.91	9.04	32.95	32.95	4.94	37.90	32.95	110 HP		72.63	10.89	83.52	AC/HR	15.19
21 FT	59900	100	55.16	11.98	67.14	67.14	10.07	77.21	67.14			115.36	17.30	132.66		16.58
		150	39.59	11.98	51.57	51.57	7.74	59.31	51.57	39.22	9.00	99.79	14.97	114.76	8.0	14.34
		200	31.69	11.98	43.67	43.67	6.55	50.22	43.67	150 HP		91.89	13.78	105.67	AC/HR	13.21
28 - 30 FT	79400	100	73.12	15.88	89.00	89.00	13.35	102.35	89.00			150.64	22.60	173.23		15.75
		150	52.48	15.88	68.36	68.36	10.25	78.62	68.36	52.63	9.00	130.00	19.50	149.50	11.0	13.59
		200	42.01	15.88	57.89	57.89	8.68	66.57	57.89	185 HP		119.52	17.93	137.45	AC/HR	12.50
					Average Rental Rate per Acre			7.57				Average Custom Rate per Acre				14.79
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
DRILLS ZERO TILL GRAVITY HOE *																$/AC
21 FT	28900	100	26.61	5.78	32.39	32.39	4.86	37.25	32.39			80.61	12.09	92.70		11.59
		150	19.10	5.78	24.88	24.88	3.73	28.62	24.88	39.22	9.00	73.10	10.96	84.06	8.0	10.51
		200	15.29	5.78	21.07	21.07	3.16	24.23	21.07	150 HP		69.29	10.39	79.68	AC/HR	9.96
28-30 FT	52400	100	48.26	10.48	58.74	58.74	8.81	67.55	58.74			120.37	18.06	138.43		12.58
		150	34.64	10.48	45.12	45.12	6.77	51.88	45.12	52.63	9.00	106.75	16.01	122.76	11.0	11.16
		200	27.72	10.48	38.20	38.20	5.73	43.93	38.20	185 HP		99.84	14.98	114.81	AC/HR	10.44
35 FT	60950	100	56.13	12.19	68.32	68.32	10.25	78.57	68.32			129.95	19.49	149.45		11.50
		150	40.29	12.19	52.48	52.48	7.87	60.35	52.48	52.63	9.00	114.11	17.12	131.23	13.0	10.09
		200	32.25	12.19	44.44	44.44	6.67	51.10	44.44	185 HP		106.07	15.91	121.98	AC/HR	9.38
40-42 FT	69500	100	64.00	13.90	77.90	77.90	11.69	89.59	77.90			141.21	21.18	162.39		10.48
		150	45.94	13.90	59.84	59.84	8.98	68.82	59.84	54.31	9.00	123.15	18.47	141.62	15.5	9.14
		200	36.77	13.90	50.67	50.67	7.60	58.27	50.67	275 HP		113.98	17.10	131.08	AC/HR	8.46
					Average Rental Rate per Acre			4.34				Average Custom Rate per Acre				10.22

NOTE: Zero-till Gravity Hoe Drills are not currently being manufactured. The above prices are the last available(1996).
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates

* See introduction for the classification of Air Drills, Air Seeders and Zero Till Drills

DRAWN EQUIPMENT - GRAIN

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FERTILIZER SPREADERS																$/AC
6 TON	16800	60	26.71	6.30	33.01	33.01	4.95	37.96	33.01			63.11	9.47	72.58		3.02
		80	20.82	6.30	27.12	27.12	4.07	31.19	27.12	21.10	9.00	57.22	8.58	65.80	24.0	2.74
		100	17.38	6.30	23.68	23.68	3.55	27.23	23.68	85 HP		53.78	8.07	61.84	AC/HR	2.58
					Average Rental Rate per Acre			1.30				Average Custom Rate per Acre				2.74
GRAIN AUGERS, PTO																$/BU
8 IN	3370	25	12.02	1.35	13.37	13.37	2.00	15.37	13.37			30.87	4.63	35.50		0.01
40-51 FT		50	6.68	1.35	8.03	8.03	1.20	9.24	8.03	8.50	9.00	25.53	3.83	29.36	3000.0	0.01
		75	4.87	1.35	6.22	6.22	0.93	7.15	6.22	35 HP		23.72	3.56	27.28	BU/HR	0.01
10 IN	7470	25	26.64	2.99	29.63	29.63	4.44	34.07	29.63			50.96	7.64	58.61		0.01
50-60 FT		50	14.81	2.99	17.80	17.80	2.67	20.47	17.80	12.34	9.00	39.14	5.87	45.01	6000.0	0.01
		75	10.79	2.99	13.78	13.78	2.07	15.85	13.78	55 HP		35.12	5.27	40.39	BU/HR	0.01
13 IN	12600	25	44.93	5.04	49.97	49.97	7.50	57.47	49.97			89.64	13.45	103.09		0.01
60-90 FT		50	24.99	5.04	30.03	30.03	4.50	34.53	30.03	30.67	9.00	69.70	10.45	80.15	9600.0	0.01
		75	18.21	5.04	23.25	23.25	3.49	26.74	23.25	105 HP		62.92	9.44	72.36	BU/HR	0.01
												Average Custom Rate / Bushel				0.01
GRAIN CONVEYORS, PTO																$/BU
15 IN BELT	9460	50	13.08	1.97	15.05	15.05	2.26	17.31	15.05			36.39	5.46	41.85		0.01
45-50 FT		100	7.11	1.97	9.08	9.08	1.36	10.44	9.08	12.34	9.00	30.41	4.56	34.98	6000.0	0.01
		150	5.17	1.97	7.14	7.14	1.07	8.21	7.14	55 HP		28.48	4.27	32.75	BU/HR	0.01
15 IN BELT	11200	50	15.49	2.33	17.82	17.82	2.67	20.49	17.82			39.16	5.87	45.03		0.01
60-65 FT		100	8.42	2.33	10.75	10.75	1.61	12.36	10.75	12.34	9.00	32.08	4.81	36.90	6000.0	0.01
		150	6.12	2.33	8.45	8.45	1.27	9.72	8.45	55 HP		29.79	4.47	34.26	BU/HR	0.01
15 IN BELT	12400	50	17.15	2.58	19.73	19.73	2.96	22.69	19.73			48.07	7.21	55.28		0.01
70-80 FT		100	9.32	2.58	11.90	11.90	1.78	13.68	11.90	19.34	9.00	40.24	6.04	46.27	6000.0	0.01
		150	6.78	2.58	9.36	9.36	1.40	10.76	9.36	75 HP		37.70	5.65	43.35	BU/HR	0.01
												Average Custom Rate / Bushel				0.01
GRAIN DRYERS, BATCH																$/BU
350 BUS/HR	18400	100	16.40	1.15	17.55	17.55	2.63	20.19	17.55			48.49	7.27	55.77		0.46
17.5%-14.5%		200	9.12	1.15	10.27	10.27	1.54	11.81	10.27	21.94	9.00	41.21	6.18	47.39	120.0	0.39
		300	6.65	1.15	7.80	7.80	1.17	8.97	7.80	35 HP & propane & tank		38.74	5.81	44.55	BU/HR	0.37
					Suggested Rental Rate /Bu /1%			0.03				Suggested Custom Rate/Bushel / 1%				0.13

NOTE: Power unit costs incl. propane costs of (1) $12.00/hr(40 litres/hr x $ 30/litre)(drying at 0 degrees Celsius)(2)Tank rental of $180.00/125hr =$1.44/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (48 litres/hr at - 10 degrees Celsius, 63 litres/hr at - 20 degrees Celsius).

NOTE: Batch grain dryers (round) are not currently being manufactured. The above price is the last available (1996).

GRAIN DRYERS, CONTINUOUS																$/BU
300 BUS/HR	46500	50	82.91	5.81	88.72	88.72	13.31	102.03	88.72			132.49	19.87	152.37		0.51
17.5%-14.5%		100	46.10	5.81	51.92	51.92	7.79	59.70	51.92	34.77	9.00	95.69	14.35	110.04	300.0	0.37
		200	25.20	5.81	31.01	31.01	4.65	35.66	31.01	35 HP & propane & tank		74.78	11.22	86.00	BU/HR	0.29
					Suggested Rental Rate /Bu /1%			0.07				Suggested Custom Rate/Bushel / 1%				0.12
600 BUS/HR	64500	50	115.00	8.06	123.07	123.07	18.46	141.53	123.07			173.87	26.08	199.95		0.33
17.5%-14.5%		100	63.95	8.06	72.01	72.01	10.80	82.82	72.01	41.80	9.00	122.81	18.42	141.24	600.0	0.24
		200	34.95	8.06	43.02	43.02	6.45	49.47	43.02	35 HP & propane & tank		93.82	14.07	107.89	BU/HR	0.18
					Suggested Rental Rate /Bu /1%			0.05				Suggested Custom Rate/Bushel / 1%				0.08

NOTE: 300 bu dryer: Power unit costs incl. propane costs of (1) $23.70/hr(79 litres/hr x $.30/litre)(drying at 0 degrees Celsius) (2)Tank rental of $180.00/70hr =$2.57/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (95 litres/hr at - 10 degrees Celsius, 126 litres/hr at - 20 degrees Celsius).

NOTE: 600 bu dryer: Power unit costs incl. propane costs of (1) $29.70/hr(99 litres/hr x $.30/litre)(drying at 0 degrees Celsius) (2)Tank rental of $180.00/50hr =$3.60/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (111 litres/hr at - 10 degrees Celsius, 142 litres/hr at - 20 degrees Celsius).

NOTE: New grain dryers are powered by electric motors therefore substitute electrical costs for tractor costs.

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN VACS																$/BU
1000-1499	9700	25	34.59	3.88	38.47	38.47	5.77	44.24	38.47			59.81	8.97	68.78		0.06
BUS/HR		50	19.24	3.88	23.12	23.12	3.47	26.58	23.12	12.34	9.00	44.45	6.67	51.12	1250.0	0.04
		75	14.02	3.88	17.90	17.90	2.68	20.58	17.90	50 HP		39.23	5.89	45.12	BU/HR	0.04
2000-3000	13200	25	47.07	5.28	52.35	52.35	7.85	60.20	52.35			80.69	12.10	92.80		0.04
BUS/HR		50	26.18	5.28	31.46	31.46	4.72	36.17	31.46	19.34	9.00	59.80	8.97	68.77	2500.0	0.03
		75	19.08	5.28	24.36	24.36	3.65	28.01	24.36	70 HP		52.70	7.90	60.60	BU/HR	0.02
4000	15300	25	54.56	6.12	60.68	60.68	9.10	69.78	60.68			94.26	14.14	108.39		0.03
BUS/HR		50	30.34	6.12	36.46	36.46	5.47	41.93	36.46	24.58	9.00	70.04	10.51	80.54	4000.0	0.02
		75	22.11	6.12	28.23	28.23	4.23	32.46	28.23	90 HP		61.81	9.27	71.08	BU/HR	0.02
					Average Rental Rate per Bushel			0.02				Average Custom Rate per Bushel				0.03
GRANULAR HERBICIDE APPLICATORS																
CULTIVATOR MOUNT																$/AC
UP TO 40 FT	6250	60	9.94	2.34	12.28	12.28	1.84	14.12	12.28			12.28	1.84	14.12		0.66
		80	7.75	2.34	10.09	10.09	1.51	11.60	10.09			10.09	1.51	11.60	21.5	0.54
		100	6.46	2.34	8.81	8.81	1.32	10.13	8.81			8.81	1.32	10.13	AC/HR	0.47
UP TO 60 FT	7880	60	12.53	2.96	15.48	15.48	2.32	17.81	15.48			15.48	2.32	17.81		0.61
		80	9.77	2.96	12.72	12.72	1.91	14.63	12.72			12.72	1.91	14.63	29.0	0.50
		100	8.15	2.96	11.11	11.11	1.67	12.77	11.11			11.11	1.67	12.77	AC/HR	0.44
Trailer Type	13500	60	21.47	5.06	26.53	26.53	3.98	30.51	26.53			56.63	8.49	65.12		1.63
40 TO 50 FT		80	16.73	5.06	21.79	21.79	3.27	25.06	21.79	21.10	9.00	51.89	7.78	59.68	40.0	1.49
		100	13.96	5.06	19.03	19.03	2.85	21.88	19.03	85 HP		49.12	7.37	56.49	AC/HR	1.41
					Average Rental Rate per Acre			0.56				Average Custom Rate per Acre				0.85

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
HARROWS, STANDARD 5 BAR TINE																$/AC
40 FT	7880	60	11.17	2.13	13.30	13.30	1.99	15.29	13.30			43.40	6.51	49.91		2.50
		100	7.26	2.13	9.38	9.38	1.41	10.79	9.38	21.10	9.00	39.48	5.92	45.41	20.0	2.27
		140	5.58	2.13	7.71	7.71	1.16	8.86	7.71	85 HP		37.81	5.67	43.48	AC/HR	2.17
50 FT	9280	60	13.16	2.51	15.66	15.66	2.35	18.01	15.66			55.34	8.30	63.64		2.55
		100	8.55	2.51	11.05	11.05	1.66	12.71	11.05	30.67	9.00	50.73	7.61	58.33	25.0	2.33
		140	6.57	2.51	9.08	9.08	1.36	10.44	9.08	110 HP		48.75	7.31	56.06	AC/HR	2.24
60 FT	10300	60	14.60	2.78	17.38	17.38	2.61	19.99	17.38			61.55	9.23	70.78		2.36
		100	9.49	2.78	12.27	12.27	1.84	14.11	12.27	35.17	9.00	56.43	8.46	64.90	30.0	2.16
		140	7.29	2.78	10.08	10.08	1.51	11.59	10.08	130 HP		54.24	8.14	62.38	AC/HR	2.08
80 FT	13000	60	18.43	3.51	21.94	21.94	3.29	25.23	21.94			70.16	10.52	80.68		2.02
		100	11.97	3.51	15.48	15.48	2.32	17.80	15.48	39.22	9.00	63.70	9.55	73.25	40.0	1.83
		140	9.21	3.51	12.72	12.72	1.91	14.62	12.72	150 HP		60.93	9.14	70.07	AC/HR	1.75
					Average Rental Rate per Acre			0.49				Average Custom Rate per Acre				2.15
HARROWS, HEAVY																
50 FT	21900	60	31.05	5.91	36.96	36.96	5.54	42.51	36.96			98.60	14.79	113.39		2.27
		100	20.17	5.91	26.08	26.08	3.91	29.99	26.08	52.63	9.00	87.72	13.16	100.87	50.0	2.02
		140	15.51	5.91	21.42	21.42	3.21	24.64	21.42	185 HP		83.06	12.46	95.52	AC/HR	1.91
70 FT	26400	60	37.43	7.13	44.56	44.56	6.68	51.24	44.56			107.87	16.18	124.05		1.77
		100	24.31	7.13	31.44	31.44	4.72	36.16	31.44	54.31	9.00	94.75	14.21	108.96	70.0	1.56
		140	18.70	7.13	25.82	25.82	3.87	29.70	25.82	275 HP		89.13	13.37	102.50	AC/HR	1.46
80 FT	31800	60	45.09	8.59	53.67	53.67	8.05	61.72	53.67			116.98	17.55	134.53		1.68
		100	29.28	8.59	37.87	37.87	5.68	43.55	37.87	54.31	9.00	101.18	15.18	116.36	80.0	1.45
		140	22.52	8.59	31.11	31.11	4.67	35.77	31.11	275 HP		94.42	14.16	108.58	AC/HR	1.36
					Average Rental Rate per Acre			0.55				Average Custom Rate per Acre				1.68
HARROW PACKERS																$/AC
30 FT	16900	60	23.96	4.56	28.52	28.52	4.28	32.80	28.52			68.20	10.23	78.43		5.23
		100	15.56	4.56	20.13	20.13	3.02	23.15	20.13	30.67	9.00	59.80	8.97	68.77	15.0	4.58
		140	11.97	4.56	16.53	16.53	2.48	19.01	16.53	110 HP		56.21	8.43	64.64	AC/HR	4.31
50 FT	21500	60	30.48	5.81	36.29	36.29	5.44	41.73	36.29			80.45	12.07	92.52		3.70
		100	19.80	5.81	25.60	25.60	3.84	29.45	25.60	35.17	9.00	69.77	10.47	80.24	25.0	3.21
		140	15.23	5.81	21.03	21.03	3.15	24.19	21.03	130 HP		65.20	9.78	74.98	AC/HR	3.00
60 FT	24300	60	34.45	6.56	41.01	41.01	6.15	47.17	41.01			96.07	14.41	110.48		3.68
		100	22.38	6.56	28.94	28.94	4.34	33.28	28.94	46.06	9.00	84.00	12.60	96.60	30.0	3.22
		140	17.21	6.56	23.77	23.77	3.57	27.34	23.77	170 HP		78.83	11.82	90.65	AC/HR	3.02
70 FT	27200	60	38.56	7.34	45.91	45.91	6.89	52.79	45.91			100.97	15.15	116.11		3.32
		100	25.05	7.34	32.39	32.39	4.86	37.25	32.39	46.06	9.00	87.45	13.12	100.57	35.0	2.87
		140	19.26	7.34	26.61	26.61	3.99	30.60	26.61	170 HP		81.67	12.25	93.92	AC/HR	2.68
80 FT	29900	60	42.39	8.07	50.47	50.47	7.57	58.04	50.47			112.10	16.82	128.92		3.22
		100	27.54	8.07	35.61	35.61	5.34	40.95	35.61	52.63	9.00	97.24	14.59	111.83	40.0	2.80
		140	21.18	8.07	29.25	29.25	4.39	33.64	29.25	185 HP		90.88	13.63	104.52	AC/HR	2.61
					Average Rental Rate per Acre			1.18				Average Custom Rate per Acre				3.34

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN VACS																$/BU
1000-1499	9700	25	34.59	3.88	38.47	38.47	5.77	44.24	38.47			59.81	8.97	68.78		0.06
BUS/HR		50	19.24	3.88	23.12	23.12	3.47	26.58	23.12	12.34	9.00	44.45	6.67	51.12	1250.0	0.04
		75	14.02	3.88	17.90	17.90	2.68	20.58	17.90	50 HP		39.23	5.89	45.12	BU/HR	0.04
2000-3000	13200	25	47.07	5.28	52.35	52.35	7.85	60.20	52.35			80.69	12.10	92.80		0.04
BUS/HR		50	26.18	5.28	31.46	31.46	4.72	36.17	31.46	19.34	9.00	59.80	8.97	68.77	2500.0	0.03
		75	19.08	5.28	24.36	24.36	3.65	28.01	24.36	70 HP		52.70	7.90	60.60	BU/HR	0.02
4000	15300	25	54.56	6.12	60.68	60.68	9.10	69.78	60.68			94.26	14.14	108.39		0.03
BUS/HR		50	30.34	6.12	36.46	36.46	5.47	41.93	36.46	24.58	9.00	70.04	10.51	80.54	4000.0	0.02
		75	22.11	6.12	28.23	28.23	4.23	32.46	28.23	90 HP		61.81	9.27	71.08	BU/HR	0.02
						Average Rental Rate per Bushel		0.02				Average Custom Rate per Bushel				0.03
GRANULAR HERBICIDE APPLICATORS																
CULTIVATOR MOUNT																$/AC
UP TO 40 FT	6250	60	9.94	2.34	12.28	12.28	1.84	14.12	12.28			12.28	1.84	14.12		0.66
		80	7.75	2.34	10.09	10.09	1.51	11.60	10.09			10.09	1.51	11.60	21.5	0.54
		100	6.46	2.34	8.81	8.81	1.32	10.13	8.81			8.81	1.32	10.13	AC/HR	0.47
UP TO 60 FT	7880	60	12.53	2.96	15.48	15.48	2.32	17.81	15.48			15.48	2.32	17.81		0.61
		80	9.77	2.96	12.72	12.72	1.91	14.63	12.72			12.72	1.91	14.63	29.0	0.50
		100	8.15	2.96	11.11	11.11	1.67	12.77	11.11			11.11	1.67	12.77	AC/HR	0.44
Trailer Type	13500	60	21.47	5.06	26.53	26.53	3.98	30.51	26.53			56.63	8.49	65.12		1.63
40 TO 50 FT		80	16.73	5.06	21.79	21.79	3.27	25.06	21.79	21.10	9.00	51.89	7.78	59.68	40.0	1.49
		100	13.96	5.06	19.03	19.03	2.85	21.88	19.03	85 HP		49.12	7.37	56.49	AC/HR	1.41
						Average Rental Rate per Acre		0.56				Average Custom Rate per Acre				0.85

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
HARROWS, STANDARD 5 BAR TINE																$/AC
40 FT	7880	60	11.17	2.13	13.30	13.30	1.99	15.29	13.30			43.40	6.51	49.91		2.50
		100	7.26	2.13	9.38	9.38	1.41	10.79	9.38	21.10	9.00	39.48	5.92	45.41	20.0	2.27
		140	5.58	2.13	7.71	7.71	1.16	8.86	7.71	85 HP		37.81	5.67	43.48	AC/HR	2.17
50 FT	9280	60	13.16	2.51	15.66	15.66	2.35	18.01	15.66			55.34	8.30	63.64		2.55
		100	8.55	2.51	11.05	11.05	1.66	12.71	11.05	30.67	9.00	50.73	7.61	58.33	25.0	2.33
		140	6.57	2.51	9.08	9.08	1.36	10.44	9.08	110 HP		48.75	7.31	56.06	AC/HR	2.24
60 FT	10300	60	14.60	2.78	17.38	17.38	2.61	19.99	17.38			61.55	9.23	70.78		2.36
		100	9.49	2.78	12.27	12.27	1.84	14.11	12.27	35.17	9.00	56.43	8.46	64.90	30.0	2.16
		140	7.29	2.78	10.08	10.08	1.51	11.59	10.08	130 HP		54.24	8.14	62.38	AC/HR	2.08
80 FT	13000	60	18.43	3.51	21.94	21.94	3.29	25.23	21.94			70.16	10.52	80.68		2.02
		100	11.97	3.51	15.48	15.48	2.32	17.80	15.48	39.22	9.00	63.70	9.55	73.25	40.0	1.83
		140	9.21	3.51	12.72	12.72	1.91	14.62	12.72	150 HP		60.93	9.14	70.07	AC/HR	1.75
					Average Rental Rate per Acre			0.49				Average Custom Rate per Acre				2.15
HARROWS, HEAVY																
50 FT	21900	60	31.05	5.91	36.96	36.96	5.54	42.51	36.96			98.60	14.79	113.39		2.27
		100	20.17	5.91	26.08	26.08	3.91	29.99	26.08	52.63	9.00	87.72	13.16	100.87	50.0	2.02
		140	15.51	5.91	21.42	21.42	3.21	24.64	21.42	185 HP		83.06	12.46	95.52	AC/HR	1.91
70 FT	26400	60	37.43	7.13	44.56	44.56	6.68	51.24	44.56			107.87	16.18	124.05		1.77
		100	24.31	7.13	31.44	31.44	4.72	36.16	31.44	54.31	9.00	94.75	14.21	108.96	70.0	1.56
		140	18.70	7.13	25.82	25.82	3.87	29.70	25.82	275 HP		89.13	13.37	102.50	AC/HR	1.46
80 FT	31800	60	45.09	8.59	53.67	53.67	8.05	61.72	53.67			116.98	17.55	134.53		1.68
		100	29.28	8.59	37.87	37.87	5.68	43.55	37.87	54.31	9.00	101.18	15.18	116.36	80.0	1.45
		140	22.52	8.59	31.11	31.11	4.67	35.77	31.11	275 HP		94.42	14.16	108.58	AC/HR	1.36
					Average Rental Rate per Acre			0.55				Average Custom Rate per Acre				1.68
HARROW PACKERS																$/AC
30 FT	16900	60	23.96	4.56	28.52	28.52	4.28	32.80	28.52			68.20	10.23	78.43		5.23
		100	15.56	4.56	20.13	20.13	3.02	23.15	20.13	30.67	9.00	59.80	8.97	68.77	15.0	4.56
		140	11.97	4.56	16.53	16.53	2.48	19.01	16.53	110 HP		56.21	8.43	64.64	AC/HR	4.31
50 FT	21500	60	30.48	5.81	36.29	36.29	5.44	41.73	36.29			80.45	12.07	92.52		3.70
		100	19.80	5.81	25.60	25.60	3.84	29.45	25.60	35.17	9.00	69.77	10.47	80.24	25.0	3.21
		140	15.23	5.81	21.03	21.03	3.15	24.19	21.03	130 HP		65.20	9.78	74.98	AC/HR	3.00
60 FT	24300	60	34.45	6.56	41.01	41.01	6.15	47.17	41.01			96.07	14.41	110.48		3.68
		100	22.38	6.56	28.94	28.94	4.34	33.28	28.94	46.06	9.00	84.00	12.60	96.60	30.0	3.22
		140	17.21	6.56	23.77	23.77	3.57	27.34	23.77	170 HP		78.83	11.82	90.65	AC/HR	3.02
70 FT	27200	60	38.56	7.34	45.91	45.91	6.89	52.79	45.91			100.97	15.15	116.11		3.32
		100	25.05	7.34	32.39	32.39	4.86	37.25	32.39	46.06	9.00	87.45	13.12	100.57	35.0	2.87
		140	19.26	7.34	26.61	26.61	3.99	30.60	26.61	170 HP		81.67	12.25	93.92	AC/HR	2.68
80 FT	29900	60	42.39	8.07	50.47	50.47	7.57	58.04	50.47			112.10	16.82	128.92		3.22
		100	27.54	8.07	35.61	35.61	5.34	40.95	35.61	52.63	9.00	97.24	14.59	111.83	40.0	2.80
		140	21.18	8.07	29.25	29.25	4.39	33.64	29.25	185 HP		90.88	13.63	104.52	AC/HR	2.61
					Average Rental Rate per Acre			1.18				Average Custom Rate per Acre				3.34

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
LAND ROLLER																$/AC
40-49 FT	21000	60	29.77	5.67	35.44	35.44	5.32	40.76	35.44			79.61	11.94	91.55		4.16
		100	19.34	5.67	25.01	25.01	3.75	28.76	25.01	35.17	9.00	69.18	10.38	79.55	22.0	3.62
		140	14.87	5.67	20.54	20.54	3.08	23.62	20.54	130 HP		64.71	9.71	74.42	AC/HR	3.38
					Average Rental Rate per Acre			1.31				Average Custom Rate per Acre				3.62
PLOWS																$/AC
7.5 FT	23800	100	21.56	6.35	27.90	27.90	4.19	32.09	27.90			51.84	7.78	59.62		19.87
5-FURROW		150	15.73	6.35	22.08	22.08	3.31	25.39	22.08	14.93	9.00	46.01	6.90	52.92	3.0	17.64
		200	12.90	6.35	19.24	19.24	2.89	22.13	19.24	65 HP		43.18	6.48	49.66	AC/HR	16.55
9 FT	26900	100	24.37	7.17	31.54	31.54	4.73	36.27	31.54			65.11	9.77	74.88		21.39
6-FURROW		150	17.78	7.17	24.95	24.95	3.74	28.70	24.95	24.58	9.00	58.53	8.78	67.31	3.5	19.23
		200	14.58	7.17	21.75	21.75	3.26	25.01	21.75	95 HP		55.33	8.30	63.62	AC/HR	18.18
12 FT	36700	100	33.24	9.79	43.03	43.03	6.45	49.48	43.03			87.20	13.08	100.27		20.05
8-FURROW		150	24.26	9.79	34.05	34.05	5.11	39.15	34.05	35.17	9.00	78.21	11.73	89.94	5.0	17.99
		200	19.89	9.79	29.67	29.67	4.45	34.13	29.67	130 HP		73.84	11.08	84.92	AC/HR	16.98
18 FT	47000	100	42.57	12.53	55.11	55.11	8.27	63.37	55.11			110.16	16.52	126.69		18.10
12 FURROW		150	31.07	12.53	43.60	43.60	6.54	50.14	43.60	46.06	9.00	98.66	14.80	113.46	7.0	16.21
		200	25.47	12.53	38.00	38.00	5.70	43.70	38.00	170 HP		93.06	13.96	107.02	AC/HR	15.29
					Average Rental Rate per Acre			7.91				Average Custom Rate per Acre				17.77
ROCK PICKERS																
FORK TYPE	6150	60	12.40	1.92	14.32	14.32	2.15	16.47	14.32			35.66	5.35	41.01		
		80	9.93	1.92	11.85	11.85	1.78	13.63	11.85	12.34	9.00	33.19	4.98	38.17		
		100	8.56	1.92	10.48	10.48	1.57	12.05	10.48	55 HP		31.82	4.77	36.59		
3 PADDLE	12700	60	25.60	3.97	29.57	29.57	4.44	34.01	29.57			57.91	8.69	66.60		
HYDRAULIC		80	20.50	3.97	24.47	24.47	3.67	28.14	24.47	19.34	9.00	52.81	7.92	60.73		
		100	17.67	3.97	21.64	21.64	3.25	24.89	21.64	75 HP		49.98	7.50	57.48		
EXTRA	16200	60	32.66	5.06	37.72	37.72	5.66	43.38	37.72			66.06	9.91	75.97		
LARGE		80	26.15	5.06	31.22	31.22	4.68	35.90	31.22	19.34	9.00	59.56	8.93	68.49		
		100	22.54	5.06	27.60	27.60	4.14	31.75	27.60	75 HP		55.95	8.39	64.34		
ROCK RAKES																
12-14 FT	10900	60	21.98	3.41	25.38	25.38	3.81	29.19	25.38			49.32	7.40	56.71		
		80	17.60	3.41	21.00	21.00	3.15	24.15	21.00	14.93	9.00	44.94	6.74	51.68		
		100	15.17	3.41	18.57	18.57	2.79	21.36	18.57	65 HP		42.51	6.38	48.88		
20 FT	11800	60	23.79	3.69	27.48	27.48	4.12	31.60	27.48			51.41	7.71	59.12		
		80	19.05	3.69	22.74	22.74	3.41	26.15	22.74	14.93	9.00	46.67	7.00	53.67		
		100	16.42	3.69	20.11	20.11	3.02	23.12	20.11	65 HP		44.04	6.61	50.65		
ROCK PICKER-ROCK RAKE COMBINATION																
20-22 FT	23600	60	47.58	7.38	54.96	54.96	8.24	63.20	54.96			88.53	13.28	101.81		
HYDRAULIC		80	38.10	7.38	45.47	45.47	6.82	52.30	45.47	24.58	9.00	79.05	11.86	90.91		
		100	32.84	7.38	40.21	40.21	6.03	46.25	40.21	95 HP		73.79	11.07	84.86		

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
RODWEEDERS																$/AC
28 FT	11500	60	17.36	2.88	20.24	20.24	3.04	23.27	20.24			53.81	8.07	61.88		4.42
		100	11.40	2.88	14.28	14.28	2.14	16.42	14.28	24.58	9.00	47.85	7.18	55.03	14.0	3.93
		140	8.90	2.88	11.78	11.78	1.77	13.54	11.78	95 HP		45.35	6.80	52.16	AC/HR	3.73
36 FT	13500	60	20.38	3.38	23.76	23.76	3.56	27.32	23.76			63.43	9.51	72.94		4.05
		100	13.39	3.38	16.76	16.76	2.51	19.27	16.76	30.67	9.00	56.43	8.47	64.90	18.0	3.61
		140	10.45	3.38	13.83	13.83	2.07	15.90	13.83	110 HP		53.50	8.02	61.52	AC/HR	3.42
48 FT	16300	60	24.61	4.08	28.68	28.68	4.30	32.98	28.68			76.90	11.53	88.43		3.68
		100	16.16	4.08	20.24	20.24	3.04	23.27	20.24	39.22	9.00	68.45	10.27	78.72	24.0	3.28
		140	12.62	4.08	16.69	16.69	2.50	19.20	16.69	150 HP		64.91	9.74	74.65	AC/HR	3.11
56 FT	21800	60	32.91	5.45	38.36	38.36	5.75	44.11	38.36			93.42	14.01	107.43		3.84
		100	21.61	5.45	27.06	27.06	4.06	31.12	27.06	46.06	9.00	82.12	12.32	94.44	28.0	3.37
		140	16.88	5.45	22.33	22.33	3.35	25.68	22.33	170 HP		77.39	11.61	88.99	AC/HR	3.18
64 FT	23800	60	35.93	5.95	41.88	41.88	6.28	48.16	41.88			103.51	15.53	119.04		3.72
		100	23.60	5.95	29.55	29.55	4.43	33.98	29.55	52.63	9.00	91.18	13.68	104.86	32.0	3.28
		140	18.42	5.95	24.37	24.37	3.66	28.03	24.37	185 HP		86.01	12.90	98.91	AC/HR	3.09
					Average Rental Rate per Acre			1.08						Average Custom Rate per Acre		3.49

Note: If equipped with mounted harrows add $0.46/AC
NOTE: Rodweeders are not currently being manufactured. The above prices are the last available (1998).

RODWEEDERS WITH MULTIPLEX OR VIBRATILLER																$/AC
28 FT	12300	60	18.57	3.08	21.64	21.64	3.25	24.89	21.64			55.22	8.28	63.50		4.54
		100	12.20	3.08	15.27	15.27	2.29	17.56	15.27	24.58	9.00	48.85	7.33	56.17	14.0	4.01
		140	9.52	3.08	12.60	12.60	1.89	14.49	12.60	95 HP		46.17	6.93	53.10	AC/HR	3.79
36 FT	15400	60	23.25	3.85	27.10	27.10	4.06	31.16	27.10			66.77	10.02	76.79		4.27
		100	15.27	3.85	19.12	19.12	2.87	21.99	19.12	30.67	9.00	58.79	8.82	67.61	18.0	3.76
		140	11.92	3.85	15.77	15.77	2.37	18.14	15.77	110 HP		55.45	8.32	63.76	AC/HR	3.54
48 FT	17600	60	26.57	4.40	30.97	30.97	4.65	35.62	30.97			79.19	11.88	91.06		3.79
		100	17.45	4.40	21.85	21.85	3.28	25.13	21.85	39.22	9.00	70.07	10.51	80.58	24.0	3.36
		140	13.63	4.40	18.03	18.03	2.70	20.73	18.03	150 HP		66.24	9.94	76.18	AC/HR	3.17
56 FT	23400	60	35.33	5.85	41.18	41.18	6.18	47.35	41.18			96.23	14.44	110.67		3.95
		100	23.20	5.85	29.05	29.05	4.36	33.41	29.05	46.06	9.00	84.11	12.62	96.73	28.0	3.45
		140	18.12	5.85	23.97	23.97	3.59	27.56	23.97	170 HP		79.02	11.85	90.88	AC/HR	3.25
64 FT	26500	60	40.01	6.63	46.63	46.63	6.99	53.63	46.63			108.27	16.24	124.51		3.89
		100	26.27	6.63	32.90	32.90	4.93	37.83	32.90	52.63	9.00	94.53	14.18	108.71	32.0	3.40
		140	20.51	6.63	27.14	27.14	4.07	31.21	27.14	185 HP		88.77	13.32	102.09	AC/HR	3.19
					Average Rental Rate per Acre			1.18						Average Custom Rate per Acre		3.60

Note: If equipped with mounted harrows add $0.46/AC
NOTE: Rodweeders are not currently being manufactured. The above prices are the last available (1998).

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG COST	ANN HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR	TOTAL COST NO LABOUR $/HR	BASIC RENTAL COST $/HR	MARGIN $/HR	RENTAL RATE /HR	TOTAL MACHINE COSTS $/HR	POWER UNIT COST $/HR	LAB COST $/HR	BASIC CUSTOM WORK RATES $/HR	MARGIN $/HR	CUSTOM RATE $/HR	WORK RATE	CALC. CUSTOM RATE
LAND ROLLER																$/AC
40-49 FT	21000	60	29.77	5.67	35.44	35.44	5.32	40.76	35.44			79.61	11.94	91.55		4.16
		100	19.34	5.67	25.01	25.01	3.75	28.76	25.01	35.17	9.00	69.18	10.38	79.55	22.0	3.62
		140	14.87	5.67	20.54	20.54	3.08	23.62	20.54	130 HP		64.71	9.71	74.42	AC/HR	3.38
					Average Rental Rate per Acre			1.31				Average Custom Rate per Acre				3.62
PLOWS																$/AC
7.5 FT	23800	100	21.56	6.35	27.90	27.90	4.19	32.09	27.90			51.84	7.78	59.62		19.87
5-FURROW		150	15.73	6.35	22.08	22.08	3.31	25.39	22.08	14.93	9.00	46.01	6.90	52.92	3.0	17.64
		200	12.90	6.35	19.24	19.24	2.89	22.13	19.24	65 HP		43.18	6.48	49.66	AC/HR	16.55
9 FT	26900	100	24.37	7.17	31.54	31.54	4.73	36.27	31.54			65.11	9.77	74.88		21.39
6-FURROW		150	17.78	7.17	24.95	24.95	3.74	28.70	24.95	24.58	9.00	58.53	8.78	67.31	3.5	19.23
		200	14.58	7.17	21.75	21.75	3.26	25.01	21.75	95 HP		55.33	8.30	63.62	AC/HR	18.18
12 FT	36700	100	33.24	9.79	43.03	43.03	6.45	49.48	43.03			87.20	13.08	100.27		20.05
8-FURROW		150	24.26	9.79	34.05	34.05	5.11	39.15	34.05	35.17	9.00	78.21	11.73	89.94	5.0	17.99
		200	19.89	9.79	29.67	29.67	4.45	34.13	29.67	130 HP		73.84	11.08	84.92	AC/HR	16.98
18 FT	47000	100	42.57	12.53	55.11	55.11	8.27	63.37	55.11			110.16	16.52	126.69		18.10
12 FURROW		150	31.07	12.53	43.60	43.60	6.54	50.14	43.60	46.06	9.00	98.66	14.80	113.46	7.0	16.21
		200	25.47	12.53	38.00	38.00	5.70	43.70	38.00	170 HP		93.06	13.96	107.02	AC/HR	15.29
					Average Rental Rate per Acre			7.91				Average Custom Rate per Acre				17.77
ROCK PICKERS																
FORK TYPE	6150	60	12.40	1.92	14.32	14.32	2.15	16.47	14.32			35.66	5.35	41.01		
		80	9.93	1.92	11.85	11.85	1.78	13.63	11.85	12.34	9.00	33.19	4.98	38.17		
		100	8.56	1.92	10.48	10.48	1.57	12.05	10.48	55 HP		31.82	4.77	36.59		
3 PADDLE	12700	60	25.60	3.97	29.57	29.57	4.44	34.01	29.57			57.91	8.69	66.60		
HYDRAULIC		80	20.50	3.97	24.47	24.47	3.67	28.14	24.47	19.34	9.00	52.81	7.92	60.73		
		100	17.67	3.97	21.64	21.64	3.25	24.89	21.64	75 HP		49.98	7.50	57.48		
EXTRA	16200	60	32.66	5.06	37.72	37.72	5.66	43.38	37.72			66.06	9.91	75.97		
LARGE		80	26.15	5.06	31.22	31.22	4.68	35.90	31.22	19.34	9.00	59.56	8.93	68.49		
		100	22.54	5.06	27.60	27.60	4.14	31.75	27.60	75 HP		55.95	8.39	64.34		
ROCK RAKES																
12-14 FT	10900	60	21.98	3.41	25.38	25.38	3.81	29.19	25.38			49.32	7.40	56.71		
		80	17.60	3.41	21.00	21.00	3.15	24.15	21.00	14.93	9.00	44.94	6.74	51.68		
		100	15.17	3.41	18.57	18.57	2.79	21.36	18.57	65 HP		42.51	6.38	48.88		
20 FT	11800	60	23.79	3.69	27.48	27.48	4.12	31.60	27.48			51.41	7.71	59.12		
		80	19.05	3.69	22.74	22.74	3.41	26.15	22.74	14.93	9.00	46.67	7.00	53.67		
		100	16.42	3.69	20.11	20.11	3.02	23.12	20.11	65 HP		44.04	6.61	50.65		
ROCK PICKER-ROCK RAKE COMBINATION																
20-22 FT	23600	60	47.58	7.38	54.96	54.96	8.24	63.20	54.96			88.53	13.28	101.81		
HYDRAULIC		80	38.10	7.38	45.47	45.47	6.82	52.30	45.47	24.58	9.00	79.05	11.86	90.91		
		100	32.84	7.38	40.21	40.21	6.03	46.25	40.21	95 HP		73.79	11.07	84.86		

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR	WORK RATE	CALC. CUSTOM RATE
RODWEEDERS																$/AC
28 FT	11500	60	17.36	2.88	20.24	20.24	3.04	23.27	20.24			53.81	8.07	61.88		4.42
		100	11.40	2.88	14.28	14.28	2.14	16.42	14.28	24.58	9.00	47.85	7.18	55.03	14.0	3.93
		140	8.90	2.88	11.78	11.78	1.77	13.54	11.78	95 HP		45.35	6.80	52.16	AC/HR	3.73
36 FT	13500	60	20.38	3.38	23.76	23.76	3.56	27.32	23.76			63.43	9.51	72.94		4.05
		100	13.39	3.38	16.76	16.76	2.51	19.27	16.76	30.67	9.00	56.43	8.47	64.90	18.0	3.61
		140	10.45	3.38	13.83	13.83	2.07	15.90	13.83	110 HP		53.50	8.02	61.52	AC/HR	3.42
48 FT	16300	60	24.61	4.08	28.68	28.68	4.30	32.98	28.68			76.90	11.53	88.43		3.68
		100	16.16	4.08	20.24	20.24	3.04	23.27	20.24	39.22	9.00	68.45	10.27	78.72	24.0	3.28
		140	12.62	4.08	16.69	16.69	2.50	19.20	16.69	150 HP		64.91	9.74	74.65	AC/HR	3.11
56 FT	21800	60	32.91	5.45	38.36	38.36	5.75	44.11	38.36			93.42	14.01	107.43		3.84
		100	21.61	5.45	27.06	27.06	4.06	31.12	27.06	46.06	9.00	82.12	12.32	94.44	28.0	3.37
		140	16.88	5.45	22.33	22.33	3.35	25.68	22.33	170 HP		77.39	11.61	88.99	AC/HR	3.18
64 FT	23800	60	35.93	5.95	41.88	41.88	6.28	48.16	41.88			103.51	15.53	119.04		3.72
		100	23.60	5.95	29.55	29.55	4.43	33.98	29.55	52.63	9.00	91.18	13.68	104.86	32.0	3.28
		140	18.42	5.95	24.37	24.37	3.66	28.03	24.37	185 HP		86.01	12.90	98.91	AC/HR	3.09
				Average Rental Rate per Acre				1.08				Average Custom Rate per Acre				3.49

Note: If equipped with mounted harrows add $0.46/AC
NOTE: Rodweeders are not currently being manufactured. The above prices are the last available (1998).

RODWEEDERS WITH MULTIPLEX OR VIBRATILLER																$/AC
28 FT	12300	60	18.57	3.08	21.64	21.64	3.25	24.89	21.64			55.22	8.28	63.50		4.54
		100	12.20	3.08	15.27	15.27	2.29	17.56	15.27	24.58	9.00	48.85	7.33	56.17	14.0	4.01
		140	9.52	3.08	12.60	12.60	1.89	14.49	12.60	95 HP		46.17	6.93	53.10	AC/HR	3.79
36 FT	15400	60	23.25	3.85	27.10	27.10	4.06	31.16	27.10			66.77	10.02	76.79		4.27
		100	15.27	3.85	19.12	19.12	2.87	21.99	19.12	30.67	9.00	58.79	8.82	67.61	18.0	3.76
		140	11.92	3.85	15.77	15.77	2.37	18.14	15.77	110 HP		55.45	8.32	63.76	AC/HR	3.54
48 FT	17600	60	26.57	4.40	30.97	30.97	4.65	35.62	30.97			79.19	11.88	91.06		3.79
		100	17.45	4.40	21.85	21.85	3.28	25.13	21.85	39.22	9.00	70.07	10.51	80.58	24.0	3.36
		140	13.63	4.40	18.03	18.03	2.70	20.73	18.03	150 HP		66.24	9.94	76.18	AC/HR	3.17
56 FT	23400	60	35.33	5.85	41.18	41.18	6.18	47.35	41.18			96.23	14.44	110.67		3.95
		100	23.20	5.85	29.05	29.05	4.36	33.41	29.05	46.06	9.00	84.11	12.62	96.73	28.0	3.45
		140	18.12	5.85	23.97	23.97	3.59	27.56	23.97	170 HP		79.02	11.85	90.88	AC/HR	3.25
64 FT	26500	60	40.01	6.63	46.63	46.63	6.99	53.63	46.63			108.27	16.24	124.51		3.89
		100	26.27	6.63	32.90	32.90	4.93	37.83	32.90	52.63	9.00	94.53	14.18	108.71	32.0	3.40
		140	20.51	6.63	27.14	27.14	4.07	31.21	27.14	185 HP		88.77	13.32	102.09	AC/HR	3.19
				Average Rental Rate per Acre				1.18				Average Custom Rate per Acre				3.60

Note: If equipped with mounted harrows add $0.46/AC
NOTE: Rodweeders are not currently being manufactured. The above prices are the last available (1998).

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SPRAYERS PTO																$/AC
400-500 GAL	19000	30	57.37	9.82	67.18	67.18	10.08	77.26	67.18			91.12	13.67	104.79		3.88
60-70 FT		60	32.75	9.82	42.57	42.57	6.39	48.96	42.57	14.93	9.00	66.51	9.98	76.48	27.0	2.83
		120	19.77	9.82	29.59	29.59	4.44	34.02	29.59	65 HP		53.52	8.03	61.55	AC/HR	2.28
700-800 GAL	27700	30	83.63	14.31	97.95	97.95	14.69	112.64	97.95			128.04	19.21	147.25		4.21
80-90 FT		60	47.75	14.31	62.06	62.06	9.31	71.37	62.06	21.10	9.00	92.16	13.82	105.99	35.0	3.03
		120	28.82	14.31	43.13	43.13	6.47	49.60	43.13	85 HP		73.23	10.98	84.22	AC/HR	2.41
700-800 GAL	30000	30	90.58	15.50	106.08	106.08	15.91	121.99	106.08			145.75	21.86	167.61		4.09
91-105 FT		60	51.72	15.50	67.22	67.22	10.08	77.30	67.22	30.67	9.00	106.89	16.03	122.92	41.0	3.00
		120	31.22	15.50	46.72	46.72	7.01	53.72	46.72	110 HP		86.39	12.96	99.35	AC/HR	2.42
1250 GAL	38000	30	114.73	19.63	134.37	134.37	20.15	154.52	134.37			178.53	26.78	205.31		3.87
100-110 FT		60	65.51	19.63	85.14	85.14	12.77	97.91	85.14	35.17	9.00	129.31	19.40	148.71	53.0	2.81
		120	39.54	19.63	59.17	59.17	8.88	68.05	59.17	130 HP		103.34	15.50	118.84	AC/HR	2.24
					Average Rental Rate per Acre			1.90				Average Custom Rate per Acre				2.92

NOTE: Cost of foam ranges from $.03-$.25/ac.
For the cost of hauling water to the field add $0.46/acre (assumes 7.5 gal/ac., 12 mile haul & $5.00/1200 gal water cost). See Appendix A.
For the cost of hauling water to the field add $0.69/acre if the water truck driver is paid for waiting time.

SPRAYERS TRUCK MOUNT																$/AC
350 GAL	17000	30	51.33	8.78	60.11	60.11	9.02	69.13	60.11			125.42	18.81	144.23		3.21
60 FT		60	29.31	8.78	38.09	38.09	5.71	43.80	38.09	56.31	9.00	103.40	15.51	118.91	45.0	2.64
		120	17.69	8.78	26.47	26.47	3.97	30.44	26.47	3/4 TON*		91.78	13.77	105.55	AC/HR	2.35
500 GAL	20800	30	62.80	10.75	73.55	73.55	11.03	84.58	73.55			138.85	20.83	159.68		2.90
70 FT		60	35.86	10.75	46.60	46.60	6.99	53.60	46.60	56.31	9.00	111.91	16.79	128.70	55.0	2.34
		120	21.64	10.75	32.39	32.39	4.86	37.25	32.39	3/4 TON*		97.70	14.65	112.35	AC/HR	2.04
					Average Rental Rate per Acre			0.97				Average Custom Rate per Acre				2.49

NOTE: Cost of foam ranges from $.03-$.25/ac.
For the cost of hauling water to the field add $0.46/acre (assumes 7.5 gal/ac., 12 mile haul & $5.00/1200 gal water cost). See Appendix A.
For the cost of hauling water to the field add $0.69/acre if the water truck driver is paid for waiting time.
* 3/4 ton costs have been increased for use with mounted sprayers. Repairs, depreciation and fuel have been doubled to reflect costs of field operation.

SWATHERS PTO STANDARD																$/AC
20-21 FT	20300	60	30.65	5.89	36.53	36.53	5.48	42.01	36.53			57.87	8.68	66.55		7.01
		100	20.13	5.89	26.01	26.01	3.90	29.92	26.01	12.34	9.00	47.35	7.10	54.45	9.5	5.73
		140	15.72	5.89	21.60	21.60	3.24	24.84	21.60	55 HP		42.94	6.44	49.38	AC/HR	5.20
24-25 FT	21700	60	32.76	6.29	39.05	39.05	5.86	44.91	39.05			60.39	9.06	69.45		6.04
		100	21.52	6.29	27.81	27.81	4.17	31.98	27.81	12.34	9.00	49.15	7.37	56.52	11.5	4.91
		140	16.80	6.29	23.09	23.09	3.46	26.56	23.09	55 HP		44.43	6.66	51.09	AC/HR	4.44
30 FT	23000	60	34.72	6.67	41.39	41.39	6.21	47.60	41.39			65.33	9.80	75.13		5.37
		100	22.80	6.67	29.47	29.47	4.42	33.90	29.47	14.93	9.00	53.41	8.01	61.42	14.0	4.39
		140	17.81	6.67	24.48	24.48	3.67	28.15	24.48	65 HP		48.41	7.26	55.67	AC/HR	3.98
36 FT	27400	60	41.36	7.95	49.31	49.31	7.40	56.71	49.31			77.65	11.65	89.30		5.41
		100	27.17	7.95	35.11	35.11	5.27	40.38	35.11	19.34	9.00	63.45	9.52	72.97	16.5	4.42
		140	21.21	7.95	29.16	29.16	4.37	33.53	29.16	75 HP		57.50	8.62	66.12	AC/HR	4.01
					Average Rental Rate per Acre			2.70				Average Custom Rate per Acre				4.86

NOTE: To include a hay conditioner add $13.65/hour to the custom rate per hour and divide by the number of acres/hour

SWATH ROLLER																
8 FT	960	60	1.45	0.14	1.59	1.59	0.24	1.83	1.59			1.59	0.24	1.83		0.14
		100	0.95	0.14	1.10	1.10	0.16	1.26	1.10			1.10	0.16	1.26	13.0	0.10
		140	0.74	0.14	0.89	0.89	0.13	1.02	0.89			0.89	0.13	1.02	AC/HR	0.08
					Average Rental Rate per Acre			0.10				Average Custom Rate per Acre				0.10

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE MOVERS LARGE ROUND																
7-8 BALES	13200	40	33.40	4.13	37.53	37.53	5.63	43.16	37.53			61.46	9.22	70.68		
		80	18.83	4.13	22.96	22.96	3.44	26.40	22.96	14.93	9.00	46.89	7.03	53.93		
		120	13.74	4.13	17.86	17.86	2.68	20.54	17.86	65 HP		41.80	6.27	48.06		
14-16 BALES	20300	40	51.37	6.34	57.71	57.71	8.66	66.37	57.71			97.39	14.61	111.99		
		80	28.97	6.34	35.31	35.31	5.30	40.61	35.31	30.67	9.00	74.98	11.25	86.23		
		120	21.12	6.34	27.47	27.47	4.12	31.59	27.47	110 HP		67.14	10.07	77.21		
BALE PROCESSORS																
4X5 FT TO	15900	100	18.15	2.54	20.69	20.69	3.10	23.80	20.69			64.86	9.73	74.59		
6X6 FT		200	10.27	2.54	12.81	12.81	1.92	14.73	12.81	35.17	9.00	56.98	8.55	65.52		
		300	7.69	2.54	10.23	10.23	1.53	11.77	10.23	130 HP		54.40	8.16	62.56		
BALERS, LARGE ROUND (excluding twine)																$/BALE
UNDER	20700	30	69.84	5.18	75.02	75.02	11.25	86.27	75.02			98.95	14.84	113.79		6.69
55 cu. ft.		60	39.38	5.18	44.56	44.56	6.68	51.24	44.56	14.93	9.00	68.49	10.27	78.77	17.0	4.63
4X4 FT		90	28.72	5.18	33.89	33.89	5.08	38.98	33.89	65 HP		57.83	8.67	66.50	BLS/HR	3.91
55-89 cu ft	28500	30	96.16	7.13	103.28	103.28	15.49	118.78	103.28			131.62	19.74	151.37		10.09
4X5 FT		60	54.22	7.13	61.35	61.35	9.20	70.55	61.35	19.34	9.00	89.69	13.45	103.14	15.0	6.88
or 4X6 FT		90	39.54	7.13	46.67	46.67	7.00	53.67	46.67	75 HP		75.01	11.25	86.26	BLS/HR	5.75
90-124 cuft	35000	30	118.09	8.75	126.84	126.84	19.03	145.86	126.84			156.94	23.54	180.48		15.04
5X6 FT		60	66.59	8.75	75.34	75.34	11.30	86.64	75.34	21.10	9.00	105.44	15.82	121.25	12.0	10.10
		90	48.56	8.75	57.31	57.31	8.60	65.90	57.31	85 HP		87.41	13.11	100.52	BLS/HR	8.38
Note: For the cost of twine add $.18/bale for 4' diameter, $.26/bale for 5' diameter and $.45/bale for 6' diameter																
NOTE: For the mesh wrap option, add $5000 for the additional capital cost. For the cost of mesh add $1.80/bale on average.																
BALERS, STANDARD (excluding twine) (bale chamber, width X height)																$/BALE
LESS 2 SQFT	22600	40	64.49	5.65	70.14	70.14	10.52	80.67	70.14			94.08	14.11	108.19		0.62
(14x18 inch)		80	36.48	5.65	42.13	42.13	6.32	48.46	42.13	14.93	9.00	66.07	9.91	75.98	175.0	0.43
		120	27.31	5.65	32.96	32.96	4.94	37.91	32.96	65 HP		56.90	8.53	65.43	BLS/HR	0.37
2 - 4 SQ FT	30800	40	87.90	7.70	95.60	95.60	14.34	109.93	95.60			125.69	18.85	144.55		0.83
(16x18 inch)		80	49.72	7.70	57.42	57.42	8.61	66.04	57.42	21.10	9.00	87.52	13.13	100.65	175.0	0.58
		120	37.22	7.70	44.92	44.92	6.74	51.66	44.92	85 HP		75.02	11.25	86.28	BLS/HR	0.49
Note: For the cost of twine add $.04/bale																
BALE WAGONS PULL TYPE																$/BALE
83 BALE	27800	60	41.97	8.06	50.03	50.03	7.50	7.50	50.03			73.97	11.09	85.06		0.61
		100	27.56	8.06	35.63	35.63	5.34	40.97	35.63	14.93	9.00	59.56	8.93	68.49	140.0	0.49
		140	21.52	8.06	29.58	29.58	4.44	34.02	29.58	65 HP		53.52	8.03	61.55	BLS/HR	0.44
104 BALE	44100	60	66.58	12.79	79.36	79.36	11.90	91.27	79.36			109.46	16.42	125.88		0.61
		100	43.73	12.79	56.51	56.51	8.48	64.99	56.51	21.10	9.00	86.61	12.99	99.60	208.0	0.48
		140	34.14	12.79	46.93	46.93	7.04	53.97	46.93	85 HP		77.03	11.55	88.58	BLS/HR	0.43
					Average Rental Rate per Bale			0.30						Average Custom Rate per Bale		0.48

DRAWN EQUIPMENT - GRAIN

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SPRAYERS PTO																$/AC
400-500 GAL	19000	30	57.37	9.82	67.18	67.18	10.08	77.26	67.18			91.12	13.67	104.79		3.88
60-70 FT		60	32.75	9.82	42.57	42.57	6.39	48.96	42.57	14.93	9.00	66.51	9.98	76.48	27.0	2.83
		120	19.77	9.82	29.59	29.59	4.44	34.02	29.59	65 HP		53.52	8.03	61.55	AC/HR	2.28
700-800 GAL	27700	30	83.63	14.31	97.95	97.95	14.69	112.64	97.95			128.04	19.21	147.25		4.21
80-90 FT		60	47.75	14.31	62.06	62.06	9.31	71.37	62.06	21.10	9.00	92.16	13.82	105.99	35.0	3.03
		120	28.82	14.31	43.13	43.13	6.47	49.60	43.13	85 HP		73.23	10.98	84.22	AC/HR	2.41
700-800 GAL	30000	30	90.58	15.50	106.08	106.08	15.91	121.99	106.08			145.75	21.86	167.61		4.09
91-105 FT		60	51.72	15.50	67.22	67.22	10.08	77.30	67.22	30.67	9.00	106.89	16.03	122.92	41.0	3.00
		120	31.22	15.50	46.72	46.72	7.01	53.72	46.72	110 HP		86.39	12.96	99.35	AC/HR	2.42
1250 GAL	38000	30	114.73	19.63	134.37	134.37	20.15	154.52	134.37			178.53	26.78	205.31		3.87
100-110 FT		60	65.51	19.63	85.14	85.14	12.77	97.91	85.14	35.17	9.00	129.31	19.40	148.71	53.0	2.81
		120	39.54	19.63	59.17	59.17	8.88	68.05	59.17	130 HP		103.34	15.50	118.84	AC/HR	2.24
					Average Rental Rate per Acre			1.90				Average Custom Rate per Acre				2.92

NOTE: Cost of foam ranges from $.03-$.25/ac.
For the cost of hauling water to the field add $0.46/acre (assumes 7.5 gal/ac., 12 mile haul & $5.00/1200 gal water cost). See Appendix A.
For the cost of hauling water to the field add $0.69/acre if the water truck driver is paid for waiting time.

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SPRAYERS TRUCK MOUNT																$/AC
350 GAL	17000	30	51.33	8.78	60.11	60.11	9.02	69.13	60.11			125.42	18.81	144.23		3.21
60 FT		60	29.31	8.78	38.09	38.09	5.71	43.80	38.09	56.31	9.00	103.40	15.51	118.91	45.0	2.64
		120	17.69	8.78	26.47	26.47	3.97	30.44	26.47	3/4 TON*		91.78	13.77	105.55	AC/HR	2.35
500 GAL	20800	30	62.80	10.75	73.55	73.55	11.03	84.58	73.55			138.85	20.83	159.68		2.90
70 FT		60	35.86	10.75	46.60	46.60	6.99	53.60	46.60	56.31	9.00	111.91	16.79	128.70	55.0	2.34
		120	21.64	10.75	32.39	32.39	4.86	37.25	32.39	3/4 TON*		97.70	14.65	112.35	AC/HR	2.04
					Average Rental Rate per Acre			0.97				Average Custom Rate per Acre				2.49

NOTE: Cost of foam ranges from $.03-$.25/ac.
For the cost of hauling water to the field add $0.46/acre (assumes 7.5 gal/ac., 12 mile haul & $5.00/1200 gal water cost). See Appendix A.
For the cost of hauling water to the field add $0.69/acre if the water truck driver is paid for waiting time.
* 3/4 ton costs have been increased for use with mounted sprayers. Repairs, depreciation and fuel have been doubled to reflect costs of field operation.

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SWATHERS PTO STANDARD																$/AC
20-21 FT	20300	60	30.65	5.89	36.53	36.53	5.48	42.01	36.53			57.87	8.68	66.55		7.01
		100	20.13	5.89	26.01	26.01	3.90	29.92	26.01	12.34	9.00	47.35	7.10	54.45	9.5	5.73
		140	15.72	5.89	21.60	21.60	3.24	24.84	21.60	55 HP		42.94	6.44	49.38	AC/HR	5.20
24-25 FT	21700	60	32.76	6.29	39.05	39.05	5.86	44.91	39.05			60.39	9.06	69.45		6.04
		100	21.52	6.29	27.81	27.81	4.17	31.98	27.81	12.34	9.00	49.15	7.37	56.52	11.5	4.91
		140	16.80	6.29	23.09	23.09	3.46	26.56	23.09	55 HP		44.43	6.66	51.09	AC/HR	4.44
30 FT	23000	60	34.72	6.67	41.39	41.39	6.21	47.60	41.39			65.33	9.80	75.13		5.37
		100	22.80	6.67	29.47	29.47	4.42	33.90	29.47	14.93	9.00	53.41	8.01	61.42	14.0	4.39
		140	17.81	6.67	24.48	24.48	3.67	28.15	24.48	65 HP		48.41	7.26	55.67	AC/HR	3.98
36 FT	27400	60	41.36	7.95	49.31	49.31	7.40	56.71	49.31			77.65	11.65	89.30		5.41
		100	27.17	7.95	35.11	35.11	5.27	40.38	35.11	19.34	9.00	63.45	9.52	72.97	16.5	4.42
		140	21.21	7.95	29.16	29.16	4.37	33.53	29.16	75 HP		57.50	8.62	66.12	AC/HR	4.01
					Average Rental Rate per Acre			2.70				Average Custom Rate per Acre				4.86

NOTE: To include a hay conditioner add $13.65/hour to the custom rate per hour and divide by the number of acres/hour

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SWATH ROLLER																
8 FT	960	60	1.45	0.14	1.59	1.59	0.24	1.83	1.59			1.59	0.24	1.83		0.14
		100	0.95	0.14	1.10	1.10	0.16	1.26	1.10			1.10	0.16	1.26	13.0	0.10
		140	0.74	0.14	0.89	0.89	0.13	1.02	0.89			0.89	0.13	1.02	AC/HR	0.08
					Average Rental Rate per Acre			0.10				Average Custom Rate per Acre				0.10

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE MOVERS LARGE ROUND																
7-8 BALES	13200	40	33.40	4.13	37.53	37.53	5.63	43.16	37.53			61.46	9.22	70.68		
		80	18.83	4.13	22.96	22.96	3.44	26.40	22.96	14.93	9.00	46.89	7.03	53.93		
		120	13.74	4.13	17.86	17.86	2.68	20.54	17.86	65 HP		41.80	6.27	48.06		
14-16 BALES	20300	40	51.37	6.34	57.71	57.71	8.66	66.37	57.71			97.39	14.61	111.99		
		80	28.97	6.34	35.31	35.31	5.30	40.61	35.31	30.67	9.00	74.98	11.25	86.23		
		120	21.12	6.34	27.47	27.47	4.12	31.59	27.47	110 HP		67.14	10.07	77.21		
BALE PROCESSORS																
4X5 FT TO	15900	100	18.15	2.54	20.69	20.69	3.10	23.80	20.69			64.86	9.73	74.59		
6X6 FT		200	10.27	2.54	12.81	12.81	1.92	14.73	12.81	35.17	9.00	56.98	8.55	65.52		
		300	7.69	2.54	10.23	10.23	1.53	11.77	10.23	130 HP		54.40	8.16	62.56		
BALERS, LARGE ROUND (excluding twine)																$/BALE
UNDER	20700	30	69.84	5.18	75.02	75.02	11.25	86.27	75.02			98.95	14.84	113.79		6.69
55 cu. ft.		60	39.38	5.18	44.56	44.56	6.68	51.24	44.56	14.93	9.00	68.49	10.27	78.77	17.0	4.63
4X4 FT		90	28.72	5.18	33.89	33.89	5.08	38.98	33.89	65 HP		57.83	8.67	66.50	BLS/HR	3.91
55-89 cu ft	28500	30	96.16	7.13	103.28	103.28	15.49	118.78	103.28			131.62	19.74	151.37		10.09
4X5 FT		60	54.22	7.13	61.35	61.35	9.20	70.55	61.35	19.34	9.00	89.69	13.45	103.14	15.0	6.88
or 4X6 FT		90	39.54	7.13	46.67	46.67	7.00	53.67	46.67	75 HP		75.01	11.25	86.26	BLS/HR	5.75
90-124 cuft	35000	30	118.09	8.75	126.84	126.84	19.03	145.86	126.84			156.94	23.54	180.48		15.04
5X6 FT		60	66.59	8.75	75.34	75.34	11.30	86.64	75.34	21.10	9.00	105.44	15.82	121.25	12.0	10.10
		90	48.56	8.75	57.31	57.31	8.60	65.90	57.31	85 HP		87.41	13.11	100.52	BLS/HR	8.38
Note: For the cost of twine add $.18/bale for 4' diameter, $.26/bale for 5' diameter and $.45/bale for 6' diameter																
NOTE: For the mesh wrap option, add $5000 for the additional capital cost. For the cost of mesh add $1.80/bale on average.																
BALERS, STANDARD (excluding twine) (bale chamber, width X height)																$/BALE
LESS 2 SQFT	22600	40	64.49	5.65	70.14	70.14	10.52	80.67	70.14			94.08	14.11	108.19		0.62
(14x18 inch)		80	36.48	5.65	42.13	42.13	6.32	48.46	42.13	14.93	9.00	66.07	9.91	75.98	175.0	0.43
		120	27.31	5.65	32.96	32.96	4.94	37.91	32.96	65 HP		56.90	8.53	65.43	BLS/HR	0.37
2 - 4 SQ FT	30800	40	87.90	7.70	95.60	95.60	14.34	109.93	95.60			125.69	18.85	144.55		0.83
(16x18 inch)		80	49.72	7.70	57.42	57.42	8.61	66.04	57.42	21.10	9.00	87.52	13.13	100.65	175.0	0.58
		120	37.22	7.70	44.92	44.92	6.74	51.66	44.92	85 HP		75.02	11.25	86.28	BLS/HR	0.49
Note: For the cost of twine add $.04/bale																
BALE WAGONS PULL TYPE																$/BALE
83 BALE	27800	60	41.97	8.06	50.03	50.03	7.50	7.50	50.03			73.97	11.09	85.06		0.61
		100	27.56	8.06	35.63	35.63	5.34	40.97	35.63	14.93	9.00	59.56	8.93	68.49	140.0	0.49
		140	21.52	8.06	29.58	29.58	4.44	34.02	29.58	65 HP		53.52	8.03	61.55	BLS/HR	0.44
104 BALE	44100	60	66.58	12.79	79.36	79.36	11.90	91.27	79.36			109.46	16.42	125.88		0.61
		100	43.73	12.79	56.51	56.51	8.48	64.99	56.51	21.10	9.00	86.61	12.99	99.60	208.0	0.48
		140	34.14	12.79	46.93	46.93	7.04	53.97	46.93	85 HP		77.03	11.55	88.58	BLS/HR	0.43
					Average Rental Rate per Bale			0.30						Average Custom Rate per Bale		0.48

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FORAGE HARVESTERS PULL TYPE																
SMALL	30900	40	78.19	9.66	87.85	87.85	13.18	101.03	87.85			132.01	19.80	151.82		
		80	44.09	9.66	53.75	53.75	8.06	61.81	53.75	35.17	9.00	97.91	14.69	112.60		
		120	32.15	9.66	41.81	41.81	6.27	48.08	41.81	130 HP		85.98	12.90	98.87		
MEDIUM	37500	40	94.89	11.72	106.61	106.61	15.99	122.60	106.61			154.83	23.22	178.05		
		80	53.51	11.72	65.23	65.23	9.78	75.01	65.23	39.22	9.00	113.44	17.02	130.46		
		120	39.02	11.72	50.74	50.74	7.61	58.35	50.74	150 HP		98.95	14.84	113.80		
LARGE	45700	40	115.64	14.28	129.92	129.92	19.49	149.41	129.92			184.98	27.75	212.73		
		80	65.21	14.28	79.49	79.49	11.92	91.41	79.49	46.06	9.00	134.55	20.18	154.73		
		120	47.55	14.28	61.83	61.83	9.28	71.11	61.83	170 HP		116.89	17.53	134.43		
GRINDER MIXERS																
80-100 BUS	21000	100	23.34	3.36	26.70	26.70	4.01	30.71	26.70			56.80	8.52	65.32		
		200	13.56	3.36	16.92	16.92	2.54	19.46	16.92	21.10	9.00	47.02	7.05	54.07		
		300	10.15	3.36	13.51	13.51	2.03	15.54	13.51	85 HP		43.61	6.54	50.15		
120-150 BUS	22700	100	25.23	3.63	28.86	28.86	4.33	33.19	28.86			68.54	10.28	78.82		
		200	14.66	3.63	18.29	18.29	2.74	21.03	18.29	30.67	9.00	57.96	8.69	66.66		
		300	10.97	3.63	14.61	14.61	2.19	16.80	14.61	110 HP		54.28	8.14	62.42		
HAY RAKES																$/AC
8.5 FT	6050	50	13.11	1.73	14.84	14.84	2.23	17.07	14.84			32.34	4.85	37.19		8.27
PARALLEL		70	9.87	1.73	11.59	11.59	1.74	13.33	11.59	8.50	9.00	29.09	4.36	33.46	4.5	7.44
BAR		90	8.13	1.73	9.86	9.86	1.48	11.34	9.86	35 HP		27.36	4.10	31.46	AC/HR	6.99
9.5 FT	6780	50	14.70	1.94	16.63	16.63	2.50	19.13	16.63			34.13	5.12	39.25		7.85
PARALLEL		70	11.06	1.94	12.99	12.99	1.95	14.94	12.99	8.50	9.00	30.49	4.57	35.07	5.0	7.01
BAR		90	9.11	1.94	11.05	11.05	1.66	12.71	11.05	35 HP		28.55	4.28	32.83	AC/HR	6.57
15 FT	9570	50	20.74	2.73	23.48	23.48	3.52	27.00	23.48			40.98	6.15	47.13		5.54
WHEEL		70	15.61	2.73	18.34	18.34	2.75	21.09	18.34	8.50	9.00	35.84	5.38	41.22	8.5	4.85
TYPE		90	12.86	2.73	15.60	15.60	2.34	17.94	15.60	35 HP		33.10	4.96	38.06	AC/HR	4.48
21 FT	11800	50	25.58	3.37	28.95	28.95	4.34	33.29	28.95			48.25	7.24	55.49		4.62
WHEEL		70	19.24	3.37	22.61	22.61	3.39	26.01	22.61	10.30	9.00	41.92	6.29	48.20	12.0	4.02
TWIN		90	15.86	3.37	19.23	19.23	2.88	22.12	19.23	45 HP		38.53	5.78	44.31	AC/HR	3.69
					Average Rental Rate per Acre			2.65						Average Custom Rate per Acre		5.83

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
MANURE SPREADERS																
70-139	10300	60	20.77	3.22	23.98	23.98	3.60	27.58	23.98			45.32	6.80	52.12		
CUBIC FT.		80	16.63	3.22	19.85	19.85	2.98	22.82	19.85	12.34	9.00	41.18	6.18	47.36		
LEVEL		100	14.33	3.22	17.55	17.55	2.63	20.18	17.55	55 HP		38.89	5.83	44.72		
140-199	13000	60	26.21	4.06	30.27	30.27	4.54	34.81	30.27			51.61	7.74	59.35		
CUBIC FT.		80	20.99	4.06	25.05	25.05	3.76	28.81	25.05	12.34	9.00	46.39	6.96	53.34		
LEVEL		100	18.09	4.06	22.15	22.15	3.32	25.47	22.15	55 HP		43.49	6.52	50.01		
200-249	15200	60	30.65	4.75	35.40	35.40	5.31	40.70	35.40			59.33	8.90	68.23		
CUBIC FT.		80	24.54	4.75	29.29	29.29	4.39	33.68	29.29	14.93	9.00	53.22	7.98	61.21		
LEVEL		100	21.15	4.75	25.90	25.90	3.69	29.79	25.90	65 HP		49.84	7.48	57.31		
250-350	16800	60	33.87	5.25	39.12	39.12	5.87	44.99	39.12			67.46	10.12	77.58		
CUBIC FT.		80	27.12	5.25	32.37	32.37	4.86	37.23	32.37	19.34	9.00	60.71	9.11	69.82		
LEVEL		100	23.38	5.25	28.63	28.63	4.29	32.92	28.63	75 HP		56.97	8.55	65.51		
MANURE SPREADERS LIQUID																
800-1299	13400	120	13.51	2.39	15.90	15.90	2.39	18.29	15.90			44.24	6.64	50.88		
GAL		140	12.36	2.39	14.75	14.75	2.21	16.97	14.75	19.34	9.00	43.10	6.46	49.56		
		160	11.65	2.39	14.05	14.05	2.11	16.15	14.05	75 HP		42.39	6.36	48.75		
1300-1899	15800	120	15.93	2.82	18.75	18.75	2.81	21.56	18.75			47.09	7.06	54.15		
GAL		140	14.58	2.82	17.40	17.40	2.61	20.01	17.40	19.34	9.00	45.74	6.86	52.60		
		160	13.74	2.82	16.56	16.56	2.48	19.05	16.56	75 HP		44.90	6.74	51.64		
MOWER CONDITIONERS																$/AC
9 FT	19000	50	41.18	6.79	47.97	47.97	7.20	55.17	47.97			67.27	10.09	77.36		17.19
		70	30.98	6.79	37.77	37.77	5.67	43.43	37.77	10.30	9.00	57.07	8.56	65.63	4.5	14.59
		90	25.54	6.79	32.32	32.32	4.85	37.17	32.32	45 HP		51.63	7.74	59.37	AC/HR	13.19
12 FT	28800	50	62.43	10.29	72.71	72.71	10.91	83.62	72.71			92.02	13.80	105.82		17.64
		70	46.96	10.29	57.25	57.25	8.59	65.84	57.25	10.30	9.00	76.55	11.48	88.04	6.0	14.67
		90	38.71	10.29	49.00	49.00	7.35	56.34	49.00	45 HP		68.30	10.24	78.54	AC/HR	13.09
14 FT	32500	50	70.45	11.61	82.05	82.05	12.31	94.36	82.05			103.39	15.51	118.90		16.99
		70	53.00	11.61	64.61	64.61	9.69	74.30	64.61	12.34	9.00	85.94	12.89	98.83	7.0	14.12
		90	43.68	11.61	55.29	55.29	8.29	63.58	55.29	55 HP		76.63	11.49	88.12	AC/HR	12.59
16 FT	36700	50	79.55	13.11	92.66	92.66	13.90	106.56	92.66			114.00	17.10	131.10		16.39
		70	59.85	13.11	72.95	72.95	10.94	83.90	72.95	12.34	9.00	94.29	14.14	108.44	8.0	13.55
		90	49.33	13.11	62.44	62.44	9.37	71.80	62.44	55 HP		83.77	12.57	96.34	AC/HR	12.04
					Average Rental Rate per Acre			10.43						Average Custom Rate per Acre		14.23

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FORAGE HARVESTERS PULL TYPE																
SMALL	30900	40	78.19	9.66	87.85	87.85	13.18	101.03	87.85			132.01	19.80	151.82		
		80	44.09	9.66	53.75	53.75	8.06	61.81	53.75	35.17	9.00	97.91	14.69	112.60		
		120	32.15	9.66	41.81	41.81	6.27	48.08	41.81	130 HP		85.98	12.90	98.87		
MEDIUM	37500	40	94.89	11.72	106.61	106.61	15.99	122.60	106.61			154.83	23.22	178.05		
		80	53.51	11.72	65.23	65.23	9.78	75.01	65.23	39.22	9.00	113.44	17.02	130.46		
		120	39.02	11.72	50.74	50.74	7.61	58.35	50.74	150 HP		98.95	14.84	113.80		
LARGE	45700	40	115.64	14.28	129.92	129.92	19.49	149.41	129.92			184.98	27.75	212.73		
		80	65.21	14.28	79.49	79.49	11.92	91.41	79.49	46.06	9.00	134.55	20.18	154.73		
		120	47.55	14.28	61.83	61.83	9.28	71.11	61.83	170 HP		116.89	17.53	134.43		
GRINDER MIXERS																
80-100 BUS	21000	100	23.34	3.36	26.70	26.70	4.01	30.71	26.70			56.80	8.52	65.32		
		200	13.56	3.36	16.92	16.92	2.54	19.46	16.92	21.10	9.00	47.02	7.05	54.07		
		300	10.15	3.36	13.51	13.51	2.03	15.54	13.51	85 HP		43.61	6.54	50.15		
120-150 BUS	22700	100	25.23	3.63	28.86	28.86	4.33	33.19	28.86			68.54	10.28	78.82		
		200	14.66	3.63	18.29	18.29	2.74	21.03	18.29	30.67	9.00	57.96	8.69	66.66		
		300	10.97	3.63	14.61	14.61	2.19	16.80	14.61	110 HP		54.28	8.14	62.42		
HAY RAKES																$/AC
8.5 FT	6050	50	13.11	1.73	14.84	14.84	2.23	17.07	14.84			32.34	4.85	37.19		8.27
PARALLEL		70	9.87	1.73	11.59	11.59	1.74	13.33	11.59	8.50	9.00	29.09	4.36	33.46	4.5	7.44
BAR		90	8.13	1.73	9.86	9.86	1.48	11.34	9.86	35 HP		27.36	4.10	31.46	AC/HR	6.99
9.5 FT	6780	50	14.70	1.94	16.63	16.63	2.50	19.13	16.63			34.13	5.12	39.25		7.85
PARALLEL		70	11.06	1.94	12.99	12.99	1.95	14.94	12.99	8.50	9.00	30.49	4.57	35.07	5.0	7.01
BAR		90	9.11	1.94	11.05	11.05	1.66	12.71	11.05	35 HP		28.55	4.28	32.83	AC/HR	6.57
15 FT	9570	50	20.74	2.73	23.48	23.48	3.52	27.00	23.48			40.98	6.15	47.13		5.54
WHEEL		70	15.61	2.73	18.34	18.34	2.75	21.09	18.34	8.50	9.00	35.84	5.38	41.22	8.5	4.85
TYPE		90	12.86	2.73	15.60	15.60	2.34	17.94	15.60	35 HP		33.10	4.96	38.06	AC/HR	4.48
21 FT	11800	50	25.58	3.37	28.95	28.95	4.34	33.29	28.95			48.25	7.24	55.49		4.62
WHEEL		70	19.24	3.37	22.61	22.61	3.39	26.01	22.61	10.30	9.00	41.92	6.29	48.20	12.0	4.02
TWIN		90	15.86	3.37	19.23	19.23	2.88	22.12	19.23	45 HP		38.53	5.78	44.31	AC/HR	3.69
					Average Rental Rate per Acre			2.65						Average Custom Rate per Acre		5.83

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
MANURE SPREADERS																
70-139	10300	60	20.77	3.22	23.98	23.98	3.60	27.58	23.98			45.32	6.80	52.12		
CUBIC FT.		80	16.63	3.22	19.85	19.85	2.98	22.82	19.85	12.34	9.00	41.18	6.18	47.36		
LEVEL		100	14.33	3.22	17.55	17.55	2.63	20.18	17.55	55 HP		38.89	5.83	44.72		
140-199	13000	60	26.21	4.06	30.27	30.27	4.54	34.81	30.27			51.61	7.74	59.35		
CUBIC FT.		80	20.99	4.06	25.05	25.05	3.76	28.81	25.05	12.34	9.00	46.39	6.96	53.34		
LEVEL		100	18.09	4.06	22.15	22.15	3.32	25.47	22.15	55 HP		43.49	6.52	50.01		
200-249	15200	60	30.65	4.75	35.40	35.40	5.31	40.70	35.40			59.33	8.90	68.23		
CUBIC FT.		80	24.54	4.75	29.29	29.29	4.39	33.68	29.29	14.93	9.00	53.22	7.98	61.21		
LEVEL		100	21.15	4.75	25.90	25.90	3.89	29.79	25.90	65 HP		49.84	7.48	57.31		
250-350	16800	60	33.87	5.25	39.12	39.12	5.87	44.99	39.12			67.46	10.12	77.58		
CUBIC FT.		80	27.12	5.25	32.37	32.37	4.86	37.23	32.37	19.34	9.00	60.71	9.11	69.82		
LEVEL		100	23.38	5.25	28.63	28.63	4.29	32.92	28.63	75 HP		56.97	8.55	65.51		
MANURE SPREADERS LIQUID																
800-1299	13400	120	13.51	2.39	15.90	15.90	2.39	18.29	15.90			44.24	6.64	50.88		
GAL		140	12.36	2.39	14.75	14.75	2.21	16.97	14.75	19.34	9.00	43.10	6.46	49.56		
		160	11.65	2.39	14.05	14.05	2.11	16.15	14.05	75 HP		42.39	6.36	48.75		
1300-1899	15800	120	15.93	2.82	18.75	18.75	2.81	21.56	18.75			47.09	7.06	54.15		
GAL		140	14.58	2.82	17.40	17.40	2.61	20.01	17.40	19.34	9.00	45.74	6.86	52.60		
		160	13.74	2.82	16.56	16.56	2.48	19.05	16.56	75 HP		44.90	6.74	51.64		
MOWER CONDITIONERS																$/AC
9 FT	19000	50	41.18	6.79	47.97	47.97	7.20	55.17	47.97			67.27	10.09	77.36		17.19
		70	30.98	6.79	37.77	37.77	5.67	43.43	37.77	10.30	9.00	57.07	8.56	65.63	4.5	14.59
		90	25.54	6.79	32.32	32.32	4.85	37.17	32.32	45 HP		51.63	7.74	59.37	AC/HR	13.19
12 FT	28800	50	62.43	10.29	72.71	72.71	10.91	83.62	72.71			92.02	13.80	105.82		17.64
		70	46.96	10.29	57.25	57.25	8.59	65.84	57.25	10.30	9.00	76.55	11.48	88.04	6.0	14.67
		90	38.71	10.29	49.00	49.00	7.35	56.34	49.00	45 HP		68.30	10.24	78.54	AC/HR	13.09
14 FT	32500	50	70.45	11.61	82.05	82.05	12.31	94.36	82.05			103.39	15.51	118.90		16.99
		70	53.00	11.61	64.61	64.61	9.69	74.30	64.61	12.34	9.00	85.94	12.89	98.83	7.0	14.12
		90	43.68	11.61	55.29	55.29	8.29	63.58	55.29	55 HP		76.63	11.49	88.12	AC/HR	12.59
16 FT	36700	50	79.55	13.11	92.66	92.66	13.90	106.56	92.66			114.00	17.10	131.10		16.39
		70	59.85	13.11	72.95	72.95	10.94	83.90	72.95	12.34	9.00	94.29	14.14	108.44	8.0	13.55
		90	49.33	13.11	62.44	62.44	9.37	71.80	62.44	55 HP		83.77	12.57	96.34	AC/HR	12.04
					Average Rental Rate per Acre			10.43						Average Custom Rate per Acre		14.23

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
MOWERS																$/AC
SICKLE, TRAILING																
7 FT	6740	50	14.61	2.41	17.02	17.02	2.55	19.57	17.02			34.52	5.18	39.69		11.34
		70	10.99	2.41	13.40	13.40	2.01	15.41	13.40	8.50	9.00	30.90	4.63	35.53	3.50	10.15
		90	9.06	2.41	11.47	11.47	1.72	13.19	11.47	35 HP		28.97	4.34	33.31	AC/HR	9.52
9 FT	7060	50	15.30	2.52	17.82	17.82	2.67	20.50	17.82			35.33	5.30	40.62		9.03
		70	11.51	2.52	14.03	14.03	2.11	16.14	14.03	8.50	9.00	31.53	4.73	36.26	4.50	8.06
		90	9.49	2.52	12.01	12.01	1.80	13.81	12.01	35 HP		29.51	4.43	33.94	AC/HR	7.54
					Average Rental Rate per Acre			3.99						Average Custom Rate per Acre		9.11
POST POUNDERS																
350 LB	4840	80	7.32	0.82	8.14	8.14	1.22	9.36	8.14			29.48	4.42	33.90		
HAMMER		100	6.25	0.82	7.07	7.07	1.06	8.13	7.07	12.34	9.00	28.41	4.26	32.67		
		200	5.61	0.82	6.44	6.44	0.97	7.40	6.44	55 HP		27.77	4.17	31.94		
450 LB	6820	80	10.31	1.16	11.47	11.47	1.72	13.19	11.47			32.81	4.92	37.73		
HAMMER		100	8.81	1.16	9.97	9.97	1.50	11.46	9.97	12.34	9.00	31.30	4.70	36.00		
		200	7.91	1.16	9.07	9.07	1.36	10.43	9.07	55 HP		30.40	4.56	34.97		
ELK/BISON	8060	80	12.19	1.37	13.56	13.56	2.03	15.59	13.56			34.89	5.23	40.13		
700 LB		100	10.41	1.37	11.78	11.78	1.77	13.55	11.78	12.34	9.00	33.12	4.97	38.08		
HAMMER		200	9.35	1.37	10.72	10.72	1.61	12.32	10.72	55 HP		32.05	4.81	36.86		
ELK/BISON	12600	80	19.05	2.14	21.19	21.19	3.18	24.37	21.19			49.54	7.43	56.97		
1300 LB		100	16.27	2.14	18.41	18.41	2.76	21.18	18.41	19.34	9.00	46.76	7.01	53.77		
HAMMER		200	14.61	2.14	16.75	16.75	2.51	19.27	16.75	75 HP		45.09	6.76	51.86		
					Average Rental Rate per Hour			13.58								
ROTARY CUTTERS																
6 FT	4300	50	9.32	1.54	10.86	10.86	1.63	12.48	10.86			32.19	4.83	37.02		
3PH		70	7.01	1.54	8.55	8.55	1.28	9.83	8.55	12.34	9.00	29.88	4.48	34.37		
		90	5.78	1.54	7.32	7.32	1.10	8.41	7.32	55 HP		28.65	4.30	32.95		
6-7 FT HD	5890	50	12.77	2.10	14.87	14.87	2.23	17.10	14.87			36.21	5.43	41.64		
TRAILING		70	9.60	2.10	11.71	11.71	1.76	13.46	11.71	12.34	9.00	33.05	4.96	38.00		
		90	7.92	2.10	10.02	10.02	1.50	11.52	10.02	55 HP		31.36	4.70	36.06		
10 FT	10700	50	23.19	3.82	27.01	27.01	4.05	31.07	27.01			50.95	7.64	58.59		
TRAILING		70	17.45	3.82	21.27	21.27	3.19	24.46	21.27	14.93	9.00	45.21	6.78	51.99		
		90	14.38	3.82	18.20	18.20	2.73	20.93	18.20	65 HP		42.14	6.32	48.46		
15 FT	16200	50	35.12	5.79	40.90	40.90	6.14	47.04	40.90			69.24	10.39	79.63		
TRAILING		70	26.42	5.79	32.20	32.20	4.83	37.03	32.20	19.34	9.00	60.54	9.08	69.63		
		90	21.77	5.79	27.56	27.56	4.13	31.69	27.56	75 HP		55.90	8.39	64.29		
TRAILERS, LIVESTOCK																
16 FT	7180	100	7.60	0.96	8.55	8.55	1.28	9.84	8.55			48.42	7.26	55.68		
BUMPER		150	5.46	0.96	6.42	6.42	0.96	7.38	6.42	30.87	9.00	46.29	6.94	53.23		
		200	4.34	0.96	5.30	5.30	0.80	6.10	5.30	3/4 TON		45.17	6.77	51.94		
16 FT	9020	100	9.54	1.20	10.75	10.75	1.61	12.36	10.75			50.61	7.59	58.20		
GOOSENECK		150	6.86	1.20	8.07	8.07	1.21	9.28	8.07	30.87	9.00	47.93	7.19	55.12		
		200	5.46	1.20	6.66	6.66	1.00	7.66	6.66	3/4 TON		46.52	6.98	53.50		
TUB GRINDERS																
8 TON	36500	100	41.66	5.84	47.50	47.50	7.13	54.63	47.50			87.18	13.08	100.25		
		200	23.57	5.84	29.41	29.41	4.41	33.82	29.41	30.67	9.00	69.08	10.36	79.45		
		300	17.65	5.84	23.49	23.49	3.52	27.01	23.49	110 HP		63.16	9.47	72.63		
VERTICAL FEED MIXERS																
	33400	100	38.13	5.34	43.47	43.47	6.52	49.99	43.47			83.14	12.47	95.61		
400-560 CU FT		200	21.57	5.34	26.91	26.91	4.04	30.95	26.91	30.67	9.00	66.59	9.99	76.57		
		300	16.15	5.34	21.49	21.49	3.22	24.71	21.49	110 HP		61.16	9.17	70.34		
	44200	100	50.45	7.07	57.53	57.53	8.63	66.16	57.53			101.69	15.25	116.95		
600-1000 CU FT		200	28.54	7.07	35.61	35.61	5.34	40.96	35.61	35.17	9.00	79.78	11.97	91.75		
		300	21.37	7.07	28.44	28.44	4.27	32.71	28.44	130 HP		72.61	10.89	83.50		

DRAWN EQUIPMENT- MISCELLANEOUS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES					
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
FRONT-END LOADERS														
FOR 50-100	6520	80	7.78	1.30	9.08	9.08	1.36	10.44	9.08			37.42	5.61	43.03
HP.TRACTOR		100	6.46	1.30	7.77	7.77	1.17	8.93	7.77	19.34	9.00	36.11	5.42	41.53
W/BUCKET		120	5.62	1.30	6.92	6.92	1.04	7.96	6.92	75 HP		35.26	5.29	40.55
FOR 70-140	7970	80	9.50	1.59	11.10	11.10	1.66	12.76	11.10			44.67	6.70	51.37
HP.TRACTOR		100	7.90	1.59	9.50	9.50	1.42	10.92	9.50	24.58	9.00	43.07	6.46	49.53
W/BUCKET		120	6.87	1.59	8.46	8.46	1.27	9.73	8.46	95 HP		42.04	6.31	48.35
FOR 130 +	11200	80	13.36	2.24	15.60	15.60	2.34	17.94	15.60			63.81	9.57	73.38
HP.TRACTOR		100	11.10	2.24	13.34	13.34	2.00	15.35	13.34	39.22	9.00	61.56	9.23	70.80
W/BUCKET		120	9.65	2.24	11.89	11.89	1.78	13.68	11.89	150 HP		60.11	9.02	69.13
SCRAPERS														
5.5-6.5	13700	60	27.62	4.28	31.90	31.90	4.79	36.69	31.90			80.12	12.02	92.14
YARD		80	22.12	4.28	26.40	26.40	3.96	30.36	26.40	39.22	9.00	74.61	11.19	85.81
		100	19.06	4.28	23.34	23.34	3.50	26.85	23.34	150 HP		71.56	10.73	82.30
8.5 YARD	19800	60	39.92	6.19	46.11	46.11	6.92	53.02	46.11			101.17	15.17	116.34
		80	31.96	6.19	38.15	38.15	5.72	43.87	38.15	46.06	9.00	93.21	13.98	107.19
		100	27.55	6.19	33.74	33.74	5.06	38.80	33.74	170 HP		88.80	13.32	102.12
SNOW BLOWERS														
FRONT	11000	20	49.03	5.23	54.26	54.26	8.14	62.40	54.26			87.83	13.17	101.01
MOUNT		40	27.27	5.23	32.49	32.49	4.87	37.36	32.49	24.58	9.00	66.07	9.91	75.98
8 FT		100	14.21	5.23	19.43	19.43	2.91	22.35	19.43	95 HP		53.01	7.95	60.96
REAR	3680	20	16.40	1.75	18.15	18.15	2.72	20.87	18.15			42.09	6.31	48.40
MOUNT		40	9.12	1.75	10.87	10.87	1.63	12.50	10.87	14.93	9.00	34.80	5.22	40.03
7 FT		100	4.75	1.75	6.50	6.50	0.98	7.48	6.50	65 HP		30.44	4.57	35.00
REAR	4600	20	20.50	2.19	22.69	22.69	3.40	26.09	22.69			46.62	6.99	53.62
MOUNT		40	11.40	2.19	13.59	13.59	2.04	15.63	13.59	14.93	9.00	37.52	5.63	43.15
8 FT		100	5.94	2.19	8.13	8.13	1.22	9.34	8.13	65 HP		32.06	4.81	36.87

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
MOWERS																$/AC
SICKLE, TRAILING																
7 FT	6740	50	14.61	2.41	17.02	17.02	2.55	19.57	17.02			34.52	5.18	39.69		11.34
		70	10.99	2.41	13.40	13.40	2.01	15.41	13.40	8.50	9.00	30.90	4.63	35.53	3.50	10.15
		90	9.06	2.41	11.47	11.47	1.72	13.19	11.47	35 HP		28.97	4.34	33.31	AC/HR	9.52
9 FT	7060	50	15.30	2.52	17.82	17.82	2.67	20.50	17.82			35.33	5.30	40.62		9.03
		70	11.51	2.52	14.03	14.03	2.11	16.14	14.03	8.50	9.00	31.53	4.73	36.26	4.50	8.06
		90	9.49	2.52	12.01	12.01	1.80	13.81	12.01	35 HP		29.51	4.43	33.94	AC/HR	7.54
				Average Rental Rate per Acre				3.99				Average Custom Rate per Acre				9.11
POST POUNDERS																
350 LB	4840	80	7.32	0.82	8.14	8.14	1.22	9.36	8.14			29.48	4.42	33.90		
HAMMER		100	6.25	0.82	7.07	7.07	1.06	8.13	7.07	12.34	9.00	28.41	4.26	32.67		
		200	5.61	0.82	6.44	6.44	0.97	7.40	6.44	55 HP		27.77	4.17	31.94		
450 LB	6820	80	10.31	1.16	11.47	11.47	1.72	13.19	11.47			32.81	4.92	37.73		
HAMMER		100	8.81	1.16	9.97	9.97	1.50	11.46	9.97	12.34	9.00	31.30	4.70	36.00		
		200	7.91	1.16	9.07	9.07	1.36	10.43	9.07	55 HP		30.40	4.56	34.97		
ELK/BISON	8060	80	12.19	1.37	13.56	13.56	2.03	15.59	13.56			34.89	5.23	40.13		
700 LB		100	10.41	1.37	11.78	11.78	1.77	13.55	11.78	12.34	9.00	33.12	4.97	38.08		
HAMMER		200	9.35	1.37	10.72	10.72	1.61	12.32	10.72	55 HP		32.05	4.81	36.86		
ELK/BISON	12600	80	19.05	2.14	21.19	21.19	3.18	24.37	21.19			49.54	7.43	56.97		
1300 LB		100	16.27	2.14	18.41	18.41	2.76	21.18	18.41	19.34	9.00	46.76	7.01	53.77		
HAMMER		200	14.61	2.14	16.75	16.75	2.51	19.27	16.75	75 HP		45.09	6.76	51.86		
				Average Rental Rate per Hour				13.58								
ROTARY CUTTERS																
6 FT	4300	50	9.32	1.54	10.86	10.86	1.63	12.48	10.86			32.19	4.83	37.02		
3PH		70	7.01	1.54	8.55	8.55	1.28	9.83	8.55	12.34	9.00	29.88	4.48	34.37		
		90	5.78	1.54	7.32	7.32	1.10	8.41	7.32	55 HP		28.65	4.30	32.95		
6-7 FT HD	5890	50	12.77	2.10	14.87	14.87	2.23	17.10	14.87			36.21	5.43	41.64		
TRAILING		70	9.60	2.10	11.71	11.71	1.76	13.46	11.71	12.34	9.00	33.05	4.96	38.00		
		90	7.92	2.10	10.02	10.02	1.50	11.52	10.02	55 HP		31.36	4.70	36.06		
10 FT	10700	50	23.19	3.82	27.01	27.01	4.05	31.07	27.01			50.95	7.64	58.59		
TRAILING		70	17.45	3.82	21.27	21.27	3.19	24.46	21.27	14.93	9.00	45.21	6.78	51.99		
		90	14.38	3.82	18.20	18.20	2.73	20.93	18.20	65 HP		42.14	6.32	48.46		
15 FT	16200	50	35.12	5.79	40.90	40.90	6.14	47.04	40.90			69.24	10.39	79.63		
TRAILING		70	26.42	5.79	32.20	32.20	4.83	37.03	32.20	19.34	9.00	60.54	9.08	69.63		
		90	21.77	5.79	27.56	27.56	4.13	31.69	27.56	75 HP		55.90	8.39	64.29		
TRAILERS LIVESTOCK																
16 FT	7180	100	7.60	0.96	8.55	8.55	1.28	9.84	8.55			48.42	7.26	55.68		
BUMPER		150	5.46	0.96	6.42	6.42	0.96	7.38	6.42	30.87	9.00	46.29	6.94	53.23		
		200	4.34	0.96	5.30	5.30	0.80	6.10	5.30	3/4 TON		45.17	6.77	51.94		
16 FT	9020	100	9.54	1.20	10.75	10.75	1.61	12.36	10.75			50.61	7.59	58.20		
GOOSENECK		150	6.86	1.20	8.07	8.07	1.21	9.28	8.07	30.87	9.00	47.93	7.19	55.12		
		200	5.46	1.20	6.66	6.66	1.00	7.66	6.66	3/4 TON		46.52	6.98	53.50		
TUB GRINDERS																
8 TON	36500	100	41.66	5.84	47.50	47.50	7.13	54.63	47.50			87.18	13.08	100.25		
		200	23.57	5.84	29.41	29.41	4.41	33.82	29.41	30.67	9.00	69.08	10.36	79.45		
		300	17.65	5.84	23.49	23.49	3.52	27.01	23.49	110 HP		63.16	9.47	72.63		
VERTICAL FEED MIXERS																
	33400	100	38.13	5.34	43.47	43.47	6.52	49.99	43.47			83.14	12.47	95.61		
400-560 CU FT		200	21.57	5.34	26.91	26.91	4.04	30.95	26.91	30.67	9.00	66.59	9.99	76.57		
		300	16.15	5.34	21.49	21.49	3.22	24.71	21.49	110 HP		61.16	9.17	70.34		
	44200	100	50.46	7.07	57.53	57.53	8.63	66.16	57.53			101.69	15.25	116.95		
600-1000 CU FT		200	28.54	7.07	35.61	35.61	5.34	40.96	35.61	35.17	9.00	79.78	11.97	91.75		
		300	21.37	7.07	28.44	28.44	4.27	32.71	28.44	130 HP		72.61	10.89	83.50		

DRAWN EQUIPMENT- MISCELLANEOUS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES					
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.
FRONT-END LOADERS														
FOR 50-100	6520	80	7.78	1.30	9.08	9.08	1.36	10.44	9.08			37.42	5.61	43.03
HP.TRACTOR		100	6.46	1.30	7.77	7.77	1.17	8.93	7.77	19.34	9.00	36.11	5.42	41.53
W/BUCKET		120	5.62	1.30	6.92	6.92	1.04	7.96	6.92	75 HP		35.26	5.29	40.55
FOR 70-140	7970	80	9.50	1.59	11.10	11.10	1.66	12.76	11.10			44.67	6.70	51.37
HP.TRACTOR		100	7.90	1.59	9.50	9.50	1.42	10.92	9.50	24.58	9.00	43.07	6.46	49.53
W/BUCKET		120	6.87	1.59	8.46	8.46	1.27	9.73	8.46	95 HP		42.04	6.31	48.35
FOR 130 +	11200	80	13.36	2.24	15.60	15.60	2.34	17.94	15.60			63.81	9.57	73.38
HP.TRACTOR		100	11.10	2.24	13.34	13.34	2.00	15.35	13.34	39.22	9.00	61.56	9.23	70.80
W/BUCKET		120	9.65	2.24	11.89	11.89	1.78	13.68	11.89	150 HP		60.11	9.02	69.13
SCRAPERS														
5.5-6.5	13700	60	27.62	4.28	31.90	31.90	4.79	36.69	31.90			80.12	12.02	92.14
YARD		80	22.12	4.28	26.40	26.40	3.96	30.36	26.40	39.22	9.00	74.61	11.19	85.81
		100	19.06	4.28	23.34	23.34	3.50	26.85	23.34	150 HP		71.56	10.73	82.30
8.5 YARD	19800	60	39.92	6.19	46.11	46.11	6.92	53.02	46.11			101.17	15.17	116.34
		80	31.96	6.19	38.15	38.15	5.72	43.87	38.15	46.06	9.00	93.21	13.98	107.19
		100	27.55	6.19	33.74	33.74	5.06	38.80	33.74	170 HP		88.80	13.32	102.12
SNOW BLOWERS														
FRONT	11000	20	49.03	5.23	54.26	54.26	8.14	62.40	54.26			87.83	13.17	101.01
MOUNT		40	27.27	5.23	32.49	32.49	4.87	37.36	32.49	24.58	9.00	66.07	9.91	75.98
8 FT		100	14.21	5.23	19.43	19.43	2.91	22.35	19.43	95 HP		53.01	7.95	60.96
REAR	3680	20	16.40	1.75	18.15	18.15	2.72	20.87	18.15			42.09	6.31	48.40
MOUNT		40	9.12	1.75	10.87	10.87	1.63	12.50	10.87	14.93	9.00	34.80	5.22	40.03
7 FT		100	4.75	1.75	6.50	6.50	0.98	7.48	6.50	65 HP		30.44	4.57	35.00
REAR	4600	20	20.50	2.19	22.69	22.69	3.40	26.09	22.69			46.62	6.99	53.62
MOUNT		40	11.40	2.19	13.59	13.59	2.04	15.63	13.59	14.93	9.00	37.52	5.63	43.15
8 FT		100	5.94	2.19	8.13	8.13	1.22	9.34	8.13	65 HP		32.06	4.81	36.87

APPENDIX A

Custom Grain and Hay Hauling

A. Hauling Grain from the Farm to Market

a. Truck - 3 ton, 350 bushel: excluding labour costs $76.04 /hour
b. Auger - 7 inch, 40 ft, w/gas engine excluding labour costs $11.49 /hour
c. The labour rate is $9.00 /hour

	3	6	9	12
Auger Costs per Load	$3.83	$3.83	$3.83	$3.83
Time in minutes	20	20	20	20
Truck Costs per Load	$21.54	$32.95	$44.35	$54.49
Time in minutes (incl. 5 min. unload time)	17	26	35	43
Labour Costs per Load	$6.30	$7.65	$9.00	$10.20
Total time in minutes	42	51	60	68
Total Cost per Load	$31.67	$44.43	$57.19	$68.52
Margin per Load (15%)	$4.75	$6.66	$8.58	$10.28
Custom Rate per Load (350 bu.)	$36.43	$51.09	$65.76	$78.80
Custom Rate per Bushel	$0.10	$0.15	$0.19	$0.23

The calculated custom rate is $0.10 /bushel for the first 3 miles plus $0.014 per bushel for each additional mile.

B. Hauling Seed to the Field

Assume
1. seeding 160 acres with 30' air seeder (12 hours)
2. 3 ton truck costs $76.04 /hour
3. truck running time includes - loading 5 minutes equals 0.08 hours
   - driving to and from field 15 min. equals 0.25 hours
   - running time in field 12 hrs.X 20% equals 2.40 hours
   2.73 hours

The Truck Cost for 160 acres is $76.04 /hour X 2.73 hours equals $207.58
The Trucking Cost per acre is $207.58 /160 ac = $1.30 per acre.

If one truck is used for fertilizer and one truck is used for seed then double the trucking cost per acre.

APPENDIX A

C. Hauling Grain from the Field to Yard

a. Truck - 3 ton, 350 bushel truck excluding labour costs $76.04 /hour
b. Auger - 7 inch X 40' with gas engine excluding labour costs $11.49 /hour
c. Labour rate $9.00 /hour
d. Unload time: 11 minutes at bin (truck engine and PTO running)

(1) Time Use

Distance: Field to yard in miles	0.5	1	1.5	2	3	4
Travel Time to Yard and Return (min)	4	6.5	8.5	10	12	15
Total Unload Time at Bin (min)	11	11	11	11	11	11
Time truck running during unload (min)	5	5	5	5	5	5
Time unload twice from one combine or once from each of two combines (min)	10	10	10	10	10	10
Time per Trip Truck Running (min)	19	21.5	23.5	25	27	30
Waiting Time in Field (truck not running)						
(a) hauling from one combine (min)	47	44.5	42.5	41	39	36
(b) hauling from two combines (min)	11	8.5	6.5	5	3	0
Total Time per Trip						
(a) hauling from one combine (min)	72	72	72	72	72	72
(b) hauling from two combines (min)	36	36	36	36	36	36
(2) Component Costs per Trip						
(a) Truck Costs/Trip	$24.08	$27.25	$29.78	$31.68	$34.22	$38.02
(b) Auger Costs/Trip	$2.11	$2.11	$2.11	$2.11	$2.11	$2.11
(c) Labour Costs/Trip - one combine	$10.80	$10.80	$10.80	$10.80	$10.80	$10.80
(d) Labour Costs/Trip - two combines	$5.40	$5.40	$5.40	$5.40	$5.40	$5.40
(3) Custom Rate $/Hr.(incl. 15% margin)						
- hauling from one combine	$35.44	$38.48	$40.91	$42.73	$45.16	$48.80
- hauling from two combines	$60.54	$66.61	$71.47	$75.11	$79.97	$87.26
(4) Custom Rate $/Bus.(incl.15 % margin)						
- haul from one combine bu/hr = 300	$0.12	$0.13	$0.14	$0.14	$0.15	$0.16
- haul from two combines bu/hr= 600	$0.10	$0.11	$0.12	$0.13	$0.13	$0.15

The calculated custom rate for hauling from one combine is $0.13 for the first mile and $0.012 for each additional mile.

The calculated custom rate for hauling from two combines is $0.11 for the first mile and $0.012 for each additional mile.

APPENDIX A

Custom Grain and Hay Hauling

A. Hauling Grain from the Farm to Market

a. Truck - 3 ton, 350 bushel: excluding labour costs $76.04 /hour
b. Auger - 7 inch, 40 ft, w/gas engine excluding labour costs $11.49 /hour
c. The labour rate is $9.00 /hour

	3	6	9	12
Auger Costs per Load	$3.83	$3.83	$3.83	$3.83
Time in minutes	20	20	20	20
Truck Costs per Load	$21.54	$32.95	$44.35	$54.49
Time in minutes (incl. 5 min. unload time)	17	26	35	43
Labour Costs per Load	$6.30	$7.65	$9.00	$10.20
Total time in minutes	42	51	60	68
Total Cost per Load	$31.67	$44.43	$57.19	$68.52
Margin per Load (15%)	$4.75	$6.66	$8.58	$10.28
Custom Rate per Load (350 bu.)	$36.43	$51.09	$65.76	$78.80
Custom Rate per Bushel	$0.10	$0.15	$0.19	$0.23

The calculated custom rate is $0.10 /bushel for the first 3 miles plus $0.014 per bushel for each additional mile.

B. Hauling Seed to the Field

Assume
1. seeding 160 acres with 30' air seeder (12 hours)
2. 3 ton truck costs $76.04 /hour
3. truck running time includes - loading 5 minutes equals 0.08 hours
   - driving to and from field 15 min. equals 0.25 hours
   - running time in field 12 hrs.X 20% equals 2.40 hours
   2.73 hours

The Truck Cost for 160 acres is $76.04 /hour X 2.73 hours equals $207.58
The Trucking Cost per acre is $207.58 /160 ac = $1.30 per acre.

If one truck is used for fertilizer and one truck is used for seed then double the trucking cost per acre.

APPENDIX A

C. Hauling Grain from the Field to Yard

a. Truck - 3 ton, 350 bushel truck excluding labour costs $76.04 /hour
b. Auger - 7 inch X 40' with gas engine excluding labour costs $11.49 /hour
c. Labour rate $9.00 /hour
d. Unload time: 11 minutes at bin (truck engine and PTO running)

(1) Time Use

Distance: Field to yard in miles	0.5	1	1.5	2	3	4
Travel Time to Yard and Return (min)	4	6.5	8.5	10	12	15
Total Unload Time at Bin (min)	11	11	11	11	11	11
Time truck running during unload (min)	5	5	5	5	5	5
Time unload twice from one combine or once from each of two combines (min)	10	10	10	10	10	10
Time per Trip Truck Running (min)	19	21.5	23.5	25	27	30
Waiting Time in Field (truck not running)						
(a) hauling from one combine (min)	47	44.5	42.5	41	39	36
(b) hauling from two combines (min)	11	8.5	6.5	5	3	0
Total Time per Trip						
(a) hauling from one combine (min)	72	72	72	72	72	72
(b) hauling from two combines (min)	36	36	36	36	36	36
(2) Component Costs per Trip						
(a) Truck Costs/Trip	$24.08	$27.25	$29.78	$31.68	$34.22	$38.02
(b) Auger Costs/Trip	$2.11	$2.11	$2.11	$2.11	$2.11	$2.11
(c) Labour Costs/Trip - one combine	$10.80	$10.80	$10.80	$10.80	$10.80	$10.80
(d) Labour Costs/Trip - two combines	$5.40	$5.40	$5.40	$5.40	$5.40	$5.40
(3) Custom Rate $/Hr.(incl. 15% margin)						
- hauling from one combine	$35.44	$38.48	$40.91	$42.73	$45.16	$48.80
- hauling from two combines	$60.54	$66.61	$71.47	$75.11	$79.97	$87.26
(4) Custom Rate $/Bus.(incl.15 % margin)						
- haul from one combine bu/hr = 300	$0.12	$0.13	$0.14	$0.14	$0.15	$0.16
- haul from two combines bu/hr= 600	$0.10	$0.11	$0.12	$0.13	$0.13	$0.15

The calculated custom rate for hauling from one combine is $0.13 for the first mile and $0.012 for each additional mile.

The calculated custom rate for hauling from two combines is $0.11 for the first mile and $0.012 for each additional mile.

APPENDIX A

D. Hauling Large Round Bales from Field to Yard

The following cost calculation of hauling large round bales from the field to the yard includes the cost of a large round bale mover, tractor and labour. The large round bale mover can pick up large round bales in the field, transport them to the yard and unload them automatically.

assume
a. 8 bale large round bale mover $ 53.93 /hour custom rate
b. 65 horsepower tractor
c. Two mile haul takes 30 minutes (4 miles round trip) (16 bales per hour)
d. Six mile haul takes 60 minutes (12 mile round trip) (8 bales per hour)

Cost per bale - two mile haul $\frac{\$ 53.93}{16} = \$ 3.37$

Cost per bale - six mile haul $\frac{\$ 53.93}{8} = \$ 6.74$

assume
a. 14 bale large round bale mover $ 86.23 /hour custom rate
b. 110 horsepower tractor
c. Two mile haul takes 40 minutes (4 miles round trip) (21 bales per hour)
d. Six mile haul takes 70 minutes (12 mile round trip) (12 bales per hour)

Cost per bale - two mile haul $\frac{\$ 86.23}{21} = \$ 4.11$

Cost per bale - six mile haul $\frac{\$ 86.23}{12} = \$ 7.19$

E. Hauling Water for Field Spraying

	2.5gal/acre		5gal/acre		7.5gal/acre		10gal/acre	
	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver
Assume								
ac sprayed per hr ave of 80-90 and 90-105	42.0	42.0	40.0	40.0	38.0	38.0	36.0	36.0
labour cost/hr	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
3 ton truck cost per hour	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04
truck hauls 1200 gal/load	1200	1200	1200	1200	1200	1200	1200	1200
acres per load = 1200 gal/(gal/ac)	480	480	240	240	160	160	120	120
hours per load = 1200gal/(gal/ac)/(ac/hr)	11.43	11.43	6.00	6.00	4.21	4.21	3.33	3.33
3 ton driving time going for water (min)	13.3	13.3	25.3	25.3	36.0	36.0	45.5	45.5
driving time in the field (min)	1.8	1.8	3.5	3.5	5.0	5.0	6.3	6.3
total time minutes per 160 acres (min) *	15.1	15.1	28.8	28.8	41.0	41.0	51.8	51.8
3 Ton cost for 160 acres	19.14	19.14	36.50	36.50	51.96	51.96	65.65	65.65
labour cost for 160 acres	2.27	102.86	4.32	54.00	6.15	37.89	7.77	30.00
3 Ton and labour cost for 160 acres	21.40	121.99	40.82	90.50	58.11	89.85	73.42	95.65
add 15% margin	3.21	18.30	6.12	13.57	8.72	13.48	11.01	14.35
total cost of hauling for 160 acres	24.61	140.29	46.94	104.07	66.82	103.33	84.43	109.99
cost of purchase or pumping water for 160 ac **	1.67	1.67	3.33	3.33	5.00	5.00	6.67	6.67
cost per 160 acres for hauling and water	26.28	141.96	50.27	107.41	71.82	108.33	91.09	116.66
cost per acre of water hauling	0.16	0.89	0.31	0.67	0.45	0.68	0.57	0.73

* based on one load taking 41 minutes
** based on one load costing $5.00

APPENDIX A

D. Hauling Large Round Bales from Field to Yard

The following cost calculation of hauling large round bales from the field to the yard includes the cost of a large round bale mover, tractor and labour. The large round bale mover can pick up large round bales in the field, transport them to the yard and unload them automatically.

assume
a. 8 bale large round bale mover $ 53.93 /hour custom rate
b. 65 horsepower tractor
c. Two mile haul takes 30 minutes (4 miles round trip) (16 bales per hour)
d. Six mile haul takes 60 minutes (12 mile round trip) (8 bales per hour)

Cost per bale - two mile haul $\frac{\$\ 53.93}{16} = \$\ 3.37$

Cost per bale - six mile haul $\frac{\$\ 53.93}{8} = \$\ 6.74$

assume
a. 14 bale large round bale mover $ 86.23 /hour custom rate
b. 110 horsepower tractor
c. Two mile haul takes 40 minutes (4 miles round trip) (21 bales per hour)
d. Six mile haul takes 70 minutes (12 mile round trip) (12 bales per hour)

Cost per bale - two mile haul $\frac{\$\ 86.23}{21} = \$\ 4.11$

Cost per bale - six mile haul $\frac{\$\ 86.23}{12} = \$\ 7.19$

E. Hauling Water for Field Spraying

	2.5gal/acre		5gal/acre		7.5gal/acre		10gal/acre	
	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver
Assume								
ac sprayed per hr ave of 80-90 and 90-105	42.0	42.0	40.0	40.0	38.0	38.0	36.0	36.0
labour cost/hr	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
3 ton truck cost per hour	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04
truck hauls 1200 gal/load	1200	1200	1200	1200	1200	1200	1200	1200
acres per load = 1200 gal/(gal/ac)	480	480	240	240	160	160	120	120
hours per load = 1200gal/(gal/ac)/(ac/hr)	11.43	11.43	6.00	6.00	4.21	4.21	3.33	3.33
3 ton driving time going for water (min)	13.3	13.3	25.3	25.3	36.0	36.0	45.5	45.5
driving time in the field (min)	1.8	1.8	3.5	3.5	5.0	5.0	6.3	6.3
total time minutes per 160 acres (min) *	15.1	15.1	28.8	28.8	41.0	41.0	51.8	51.8
3 Ton cost for 160 acres	19.14	19.14	36.50	36.50	51.96	51.96	65.65	65.65
labour cost for 160 acres	2.27	102.86	4.32	54.00	6.15	37.89	7.77	30.00
3 Ton and labour cost for 160 acres	21.40	121.99	40.82	90.50	58.11	89.85	73.42	95.65
add 15% margin	3.21	18.30	6.12	13.57	8.72	13.48	11.01	14.35
total cost of hauling for 160 acres	24.61	140.29	46.94	104.07	66.82	103.33	84.43	109.99
cost of purchase or pumping water for 160 ac **	1.67	1.67	3.33	3.33	5.00	5.00	6.67	6.67
cost per 160 acres for hauling and water	26.28	141.96	50.27	107.41	71.82	108.33	91.09	116.66
cost per acre of water hauling	0.16	0.89	0.31	0.67	0.45	0.68	0.57	0.73

* based on one load taking 41 minutes
** based on one load costing $5.00

APPENDIX A

F. High Clearance Sprayer Transportation Costs

Assume:

1. 60 Ft. sprayer does 550 ac/day; 80 ft. sprayer does 750 ac/day; 100 ft. sprayer does 900 ac/day

2. 3 ton truck costs		97.79	$/hr
3. truck running time approx.		3 hrs/day	
4. Trailer costs based on $12000 are		10.73	$/hr
5	325.57	$/hr truck and trailer costs/ day	
6. 60' sprayer 550 ac/day:	$0.59	$/ac	Transportation Costs
7. 80' sprayer 750 ac/day:	$0.43	$/ac	Transportation Costs
8. 100' sprayer 900 ac/day:	$0.36	$/ac	Transportation Costs
Average:	0.46	$/ac	Transportation Costs

APPENDIX B

Self Propelled Combine Classification
(Current and Non-Current Models)

Small (Class 4) 5-10 acre/hour

Manufacture	Model
AgCo-Gleaner	R42
CaseIH	2344
Claas	Dom 68
Claas	Dom 78
Fiat Hesston	L3400
Fiat Hesston	L3550
John Deere	4435
John Deere	9450

Medium (Class 5) 8-12 acre/hour

Manufacture	Model
AgCo-Gleaner	R52
CaseIH	2366
Claas	Dom 98
Fiat Hesston	L3790
Ford New Holland	TR89
John Deere	9550
John Deere	9650 STS
Massey Ferguson	8570
White	2500

Large (Class 6&7) 10-15 acre/hour

Manufacture	Model
AgCo	C62
AgCo-Gleaner	R62
AgCo-Gleaner	R72
Belarus	Dom 1500
CaseIH	2388
Claas	COM 228-CS
Claas	DOM 108
Claas	DOM 116-CS
Ford New Holland	TR99
Ford New Holland	CX 840
Ford New Holland	CX 860
John Deere	9650
John Deere	9750 STS
Massey Ferguson	8680
Massey Ferguson	8780
Massey Ferguson	8780 XP
White	2600

APPENDIX C
Rental Rate Calculation Worksheet

Machine _____ Original Cash Cost $_____

Basic Rental Cost (Per Hour)

Fixed Costs:

_____ x _____ = $_____/hr (A)
rate/hr* number of $1000 orig. cash cost

Repairs:

_____ x _____ = $_____/hr (B)
rate/hr* number of $1000 orig. cash cost

Basic Rental Cost (A + B) = $_____/hr (C)

Rental Margin:

_____ x _____ = $_____/hr (D)
suggested rate 15% basic rental costs (C)

Rental Rate Per Hour (C + D)= **$_____/hr**

**Refer to the Machinery Cost Calculation Guide in Appendix F, column D for fixed costs rate/hour, and column E for repair costs rate/hour.*

APPENDIX B

Self Propelled Combine Classification
(Current and Non-Current Models)

Small (Class 4) 5-10 acre/hour

Manufacture	Model
AgCo-Gleaner	R42
CaseIH	2344
Claas	Dom 68
Claas	Dom 78
Fiat Hesston	L3400
Fiat Hesston	L3550
John Deere	4435
John Deere	9450

Medium (Class 5) 8-12 acre/hour

Manufacture	Model
AgCo-Gleaner	R52
CaseIH	2366
Claas	Dom 98
Fiat Hesston	L3790
Ford New Holland	TR89
John Deere	9550
John Deere	9650 STS
Massey Ferguson	8570
White	2500

Large (Class 6&7) 10-15 acre/hour

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CaseIH	2388
Claas	COM 228-CS
Claas	DOM 108
Claas	DOM 116-CS
Ford New Holland	TR99
Ford New Holland	CX 840
Ford New Holland	CX 860
John Deere	9650
John Deere	9750 STS
Massey Ferguson	8680
Massey Ferguson	8780
Massey Ferguson	8780 XP
White	2600

APPENDIX C
Rental Rate Calculation Worksheet

Machine _____ Original Cash Cost $_____

Basic Rental Cost (Per Hour)
Fixed Costs:

_____ x _____ = $_____/hr (A)
rate/hr* number of $1000 orig. cash cost

Repairs:

_____ x _____ = $_____/hr (B)
rate/hr* number of $1000 orig. cash cost

Basic Rental Cost (A + B) = $_____/hr (C)

Rental Margin:

_____ x _____ = $_____/hr (D)
suggested rate 15% basic rental costs (C)

Rental Rate Per Hour (C + D)= **$_____/hr**

**Refer to the Machinery Cost Calculation Guide in Appendix F, column D for fixed costs rate/hour, and column E for repair costs rate/hour.*

APPENDIX D — CUSTOM RATE CALCULATION WORKSHEET

OPERATION _____

POWER UNIT _____ Original Cash Cost $_____
tractor, SP machine

MACHINE _____ Original Cash Cost $_____
tillage implements, PTO machine, other

POWER UNIT COSTS (per hour)

Fixed Costs _____ x _____ = $_____/hr
rate/hr[1] number of $1000 Orig. cash cost

Fuel _____ x _____ = $_____/hr
litre/hr price/litre

Oil and Grease $0.35 x _____ Hp = $_____/hr
100 Hp

Repairs[1] _____ x _____ = $_____/hr
rate/hr* number of $1000 Orig. cash cost

TOTAL POWER UNIT COSTS = $_____/hr (A)

MACHINE COSTS (per hour)

Fixed Costs _____ x _____ = $_____/hr
rate/hr* number of $1000 Orig. cash cost

Repairs[1] _____ x _____ = $_____/hr
rate/hr* number of $1000 Orig. cash cost

TOTAL MACHINE COSTS = $_____/hr (B)

* *Refer to Machinery Cost Calculation Guide in Appendix F, Column D for fixed costs rate/hr and column E for repair costs rate/hr.*

LABOUR COSTS (per hour) = $_____/hr (C)

TOTAL COST OF POWER UNIT, MACHINE AND OPERATOR
(A + B + C) = $_____/hr (D)

MARGIN PER HOUR
_____ x $_____/hr = $_____/hr (E)
suggested rate 15% D

CUSTOM RATE
Total Cost + Margin (D + E) = $_____/hr (F)

WORK RATE (acres/hr)[2] = $_____ac/hr (G)

CUSTOM RATE PER ACRE[2] (F/G) = $_____/acre

---

[1] *If you use less than original cash cost in the repair calculation you will be underestimating repair costs.*

[2] *Where appropriate, substitute other units (bales, tons) for acres.*

APPENDIX E

Formulas Used in Calculations

FIXED COSTS

Fixed costs per hour are the sum of:

(i) Depreciation;
(ii) Investment Costs, and
(iii) Insurance and Housing.

Depreciation per hour

$$\frac{\dfrac{\text{Original Cash Cost}^{1} - \text{Salvage Value}^{2}}{\text{Years Lifetime}}}{\text{Annual Hours Use}}$$

Investment cost per hour

$$\frac{\dfrac{\text{Original Cash Cost}^{1} + \text{Salvage Value}^{2}}{2} \times 5.3\%^{3}}{\text{Annual Hours Use}}$$

Insurance and housing per hour

$$\frac{\text{Original Cash Cost}^{1} \times 1\%}{\text{Annual Hours Use}}$$

The short cut method calculates fixed costs on an hourly basis per $1000 of original cost.

$$\frac{\text{Original Cash Cost}}{1{,}000} \times \text{applicable cost factor (Appendix F, Column D)}$$

REPAIR COSTS

Repair costs are calculated on an hourly basis per $1,000 of original cost.

$$\frac{\text{Original Cash Cost}}{1{,}000} \times \text{applicable cost factor (Appendix F, Column E)}$$

ACRES PER HOUR

Tillage Operations
(82.5% field efficiency)

$$\frac{\text{Machine Width (ft)} \times \text{Speed (mph)}}{10}$$

Seeding and Harvesting
(69% field efficiency)

$$\frac{\text{Machine Width (ft)} \times \text{Speed (mph)}}{12}$$

---

[1] *Original cash cost is the cash price you would pay for a new machine without a trade.*
[2] *Salvage value is assumed to be 10% of orginal cash cost.*
[3] *An interest rate of 5.35 assumed machine invesmtner is 50% borrowed and 50% owned.*

APPENDIX F

Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
AIR DISK DRILLS	100	17		0.9209	
AIR HOE DRILLS	150	15	3	0.6610	0.2000
AIR SEEDERS	200	13.5		0.5291	
BALE MOVERS	40	14.5		2.5305	
	80	12	2.5	1.4269	0.3125
	120	10.5		1.0405	
	100	12		1.1415	
BALE PROCESSORS	200	10	3.2	0.6458	0.1600
	300	8.5		0.4834	
BALE THROWERS	40	12		2.8538	
	80	10	2	1.6144	0.2500
	120	8.5		1.2086	
BALE WAGONS, PTO	60	17.5		1.5096	
	100	15	2.9	0.9915	0.2900
	140	13		0.7741	
BALE WAGONS, SP	60	17.5		1.5096	
	100	15	2	0.9915	0.2000
	140	13		0.7741	
BALERS,	30	14.5		3.3740	
LARGE ROUND	60	12	1.5	1.9025	0.2500
	90	10.5		1.3874	
BALERS, STANDARD	40	12		2.8538	
	80	10	2	1.6144	0.2500
	120	8.5		1.2086	
COMBINES, PTO	120	13		0.9032	
	150	12	3.2	0.7610	0.2133
	180	11		0.6720	
	350	8.5		0.4144	
COMBINES, SP	120	13		0.9032	
	150	12	3.2	0.7610	0.2133
	180	11		0.6720	
	350	8.5		0.4144	
CULTIVATORS	150	17.5	CLAY-SAND	0.6039	
FIELD , H.D., WIDE BLADE	250	15	5.5	0.3966	0.2200
& ANHYDROUS AMMONIA	350	13	(3.0-8.0)	0.3097	
DISCERS &	100	17		0.9209	
DISKS, TANDEM	150	15	3	0.6610	0.2000
	200	13.5		0.5291	

APPENDIX F
Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
DRILLS, SEED	100	17		0.9209	
DRILLS, ZERO TILL GRAVITY	150	15	3	0.6610	0.2000
	200	13.5		0.5291	
FERTILIZER SPREADERS	60	16		1.5900	
	80	15	3	1.2394	0.3750
	100	14		1.0344	
FORAGE HARVESTERS	40	14.5		2.5305	
	80	12	2.5	1.4269	0.3125
	120	10.5		1.0405	
FRONT END LOADERS	80	16		1.1925	
	100	15	2	0.9915	0.2000
	120	14		0.8620	
GRAIN AUGERS	25	18		3.5660	
GRAIN VACS	50	15	2	1.9830	0.4000
	75	13		1.4451	
	50	30		1.3830	
GRAIN CONVEYORS	100	25	2.08	0.7515	0.2080
	150	21		0.5467	
GRAIN DRYERS	100	18		0.8915	
BATCH	200	15	1.25	0.4958	0.0625
	300	13		0.3613	
GRAIN DRYERS	50	18		1.7830	
CONTINUOUS	100	15	1.25	0.9915	0.1250
	200	13		0.5419	
GRANULAR HERBICIDE	60	16		1.5900	
APPLICATORS	80	15	3	1.2394	0.3750
	100	14		1.0344	
GRINDER MIXERS	100	12.5		1.1115	
	200	10	3.2	0.6458	0.1600
	300	8.5		0.4834	
HARROWS, STANDARD	60	19.6		1.4178	
HARROWS, HEAVY	100	17	2.7	0.9209	0.2700
	140	15		0.7082	
HARROW PACKERS	60	19.6		1.4178	
	100	17	2.7	0.9209	0.2700
	140	15		0.7082	
HAY RAKES	50	13		2.1676	
	70	12	2	1.6307	0.2857
	90	11		1.3441	

APPENDIX F
Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
LAND ROLLERS	60	19.6		1.4178	
	100	17	2.7	0.9209	0.2700
	140	15		0.7082	
MANURE SPREADERS	60	11		2.0161	
	80	10	2.5	1.6144	0.3125
	100	9		1.3915	
MANURE SPREADERS	120	11		1.0081	
LIQUID	140	10	2.5	0.9225	0.1786
	160	9		0.8697	
MOWERS,	50	13		2.1676	
CONDITIONER	70	12	2.5	1.6307	0.3571
& SICKLE	90	11		1.3441	
PLOWS	100	17.5		0.9058	
	150	15	4	0.6610	0.2667
	200	13		0.5419	
POST POUNDERS	80	11		1.5121	
	100	10	1.7	1.2915	0.1700
	120	9		1.1596	
ROCK PICKERS	60	11		2.0161	
ROCK RAKES	80	10	2.5	1.6144	0.3125
& COMBINATIONS	100	9		1.3915	
RODWEEDERS	60	17.5		1.5096	
	100	15	2.5	0.9915	0.2500
	140	13		0.7741	
ROTARY CUTTERS	50	13		2.1676	
	70	12	2.5	1.6307	0.3571
	90	11		1.3441	
SCRAPERS	60	11		2.0161	
	80	10	2.5	1.6144	0.3125
	100	9		1.3915	
SNOW BLOWERS	20	18		4.4575	
	40	15	1.9	2.4788	0.4750
	100	10		1.2915	
SPRAYERS, PTO	30	17.5		3.0193	
SPRAYERS, TRUCK MOUNT	60	14	3.1	1.7239	0.5167
	120	10.5		1.0405	
SPRAYERS, SP	30	18		2.9717	
	60	15	3.1	1.6525	0.5167
	120	11		1.0081	

APPENDIX F
Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
SPRAYERS SP	200	12		0.5708	
HIGH CLEARANCE	300	11		0.4032	
	400	10	3.5	0.3229	0.0875
	500	9		0.2783	
	600	8		0.2528	
SWATHERS, PTO	60	17.5		1.5096	
	100	15	2.9	0.9915	0.2900
	140	13		0.7741	
SWATHERS, SP	60	17.5		1.5096	
	100	15	2.2	0.9915	0.2200
	140	13		0.7741	
SWATH ROLLERS	60	17.5		1.5096	
	100	15	1.5	0.9915	0.1500
	140	13		0.7741	
TRACTORS, 2WD	200	20		0.4208	
	300	16.5		0.3123	
	400	14.5		0.2530	
	600	13.0	3.1	0.1806	0.0517
	800	11.5		0.1468	
TRACTORS, 4WD	200	20		0.4208	
	300	16.5		0.3123	
	400	14.5		0.2530	
	600	13.0	2.6	0.1806	0.0433
	800	11.5		0.1468	
TRAILERS, LIVESTOCK	100	13.5		1.0582	
	150	12	2	0.7610	0.1333
	200	11		0.6048	
TRUCKS, GRAIN	100	13.5		1.0582	
	150	12	2.5	0.7610	0.1667
	200	11		0.6048	
TRUCKS, PICKUP	200	10.5		0.6243	
	250	10	3.1	0.5166	0.1240
	300	9.5		0.4463	
TUB GRINDERS	100	12		1.1415	
VERTICAL FEED MIXERS	200	10	3.2	0.6458	0.1600
	300	8.5		0.4834	

APPENDIX G
Factors to Consider When Custom Hiring

Custom hiring is a business arrangement. The terms of the arrangement should be written in a formal agreement. If unwritten, the terms are more likely to be misunderstood in case of a dispute.

The following should be considered in a custom hiring agreement.

Timeliness
Significant losses can occur if an operation is not started or completed on time. To facilitate planning, a custom hiring agreement should include a schedule of operations for both parties. For example, when the custom combiner is picking up swathed grain, the schedule would outline time periods for swathing by the owner and combining by the custom operator. Such a schedule would be subject to weather conditions and crop maturity.

Operations
The parties should write into the agreement the exact operations to be performed by each party and the machine, materials and labour to be supplied by each.

Rate Schedule
The custom operator should stipulate the rate for each operation to be performed on the basis of acreage, time (hour, day, week) or total operation performed.

Management
A custom hiring agreement should ensure that the custom operator will employ acceptable management practices in his operations.

Terms of Payment
A custom hiring agreement should stipulate terms of payment for custom operations. As well the custom operator should bill the client upon the completion of each custom operation. The bill should indicate actual units (hours, acres, etc.) completed, the rate charged per unit, the total charge and the date payment is due.

Termination
A minimum period for notice of termination should be included in a custom hiring agreement. A penalty should be stipulated for unjustified termination within the term of the agreement.

Insurance
A custom operator may be considered differently than a farmer when insuring. It is advised that this point be clarified with the insurance company if one considers doing custom work or renting equipment.

SAMPLE CUSTOM FARMING AGREEMENT

Date:_____

Section A

_____, hereinafter referred to as the "custom operator", agrees to conduct the following types of machine operations on the described farm land of _____ hereinafter referred to as the "owner", located at _____Saskatchewan, for the year 20____.

Description of Machine Operation	**Legal Location**	**Acres**	**Fee Per Acre**
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Note: Be specific about what each machine operation includes.
(i.e. *Harvesting: Does it include swathing, combining with pickup and hauling the grain to the storage facility, or straight cutting the crop and hauling the grain to the storage facility?*)

Section B

The custom operator agrees to complete the said machine operations according to the following schedule:

Machine Operations	**Commencement Date**	**Completion Date**
_____	_____	_____
_____	_____	_____
_____	_____	_____

Section C

If during the term hereof, any of the goods and chattels of the custom operator are seized by any creditor, this agreement is forfeited and void.

The term owner and custom operator shall include the executors, administrators and assigns of the owner and custom operator, respectively.

Payment is due upon completion of said machine operations. Overdue accounts past 30 days subject to a 2% per month interest charge.

_____ _____
Witness Custom Operator

_____ _____
Witness Owner